

# Euro-150TE/TX Flexy cash Register User Manual

manual version 1.0.5



This manual was not subject to any language revision.

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# ***INTRODUCTION***

Thank you for choosing the Euro-150TE/TX Flexy electronic cash register. Before you begin using the cash register, read these instructions to become familiar with the register's features and functions. Be sure to save this manual for future use. It will help you resolve problems that may arise.

## **IMPORTANT NOTICES**

- Do not leave switched-on equipment unattended!
- Install the cash register in a place where it will not be exposed to direct sunlight, unusual changes in temperature (below 0 °C and over 45 °C) or high humidity. Installation in an unsuitable place could cause damage to the casing and electrical components.
- Prior to use, leave the cash register connected to the power adapter for at least 4 hours in order to charge the internal battery (if the cash register is equipped with an internal battery).
- When charging the battery, the external casing of the cash register may heat up; therefore, we recommend that it not be placed near inflammable materials (if the cash register is equipped with an internal battery).
- Upon carrying the cash register from a cool environment to a warm one, or vice versa, do not switch it on for at least 20 minutes.
- The cash register should not be operated by a person with wet hands. Water could penetrate to the interior and cause the failure of parts.
- Clean the cash register with a soft, dry cloth. Never use cleaning agents such as petrol and other solvents. The use of such chemicals can lead to damage to the register casing or discoloration.
- Prevent beverages from being spilled over the register. Liquids can damage the functionality of the cash register. The register keyboard in particular should be thoroughly protected.
- Connect the cash register to a standard electrical socket (230V±10%) using the adapter provided. Some electrical equipment connected in the same network circuit can cause the improper functioning of the cash register. In such a case, use a special anti-jamming device recommended by the maker of the register.

Notice: The adapter is specified only for interior use!

- If the cash register is not working properly, take it to an authorized service center technician. Do not attempt to repair the cash register yourself. Do not open the cash register and do not damage the seal!
- If the equipment is to be fully disconnected from the electrical network, unplug the AC/DC adapter from its electric outlet.
- If an external adapter is connected to the cash register, the internal battery which powers the cash register is also charged even when the cash register is turned off.
- If a red streak appears at the end of the paper ribbon, change the ribbon as soon as possible. Changing the ribbon too late could damage to the printer or decrease its lifespan.
- Use a paper ribbon that is not glued at its end. If such a paper ribbon is used and not changed early enough, the printer could be damaged or its lifespan could be shortened. In such a case, the warranty for the damaged printer is no longer valid.
- We recommend using only high-quality thermal paper ribbons. Improper ribbons may damage the cash register printer or possibly shorten its lifespan. With the use of suitable ribbons and proper maintenance, the printer has an average lifespan up to 25 million printed lines. You can find detailed information in the chapter Usage and Storage of Paper Ribbons.
- Journal paper storage recommendations: Do not expose thermal paper to direct sunlight and temperatures above 40 °C. Avoid contact with PVC, mollifiers, organic solvents, glues and water. When taping a report into an accounts book, only press tape at the end of the paper ribbon in order not to damage the printed data. Paper ribbons must be kept in proper storage conditions in order to preserve data according to valid provisions. It is important to use only paper ribbons which meet all of the required characteristics of the manufacturer. If storage conditions are not met or low-quality paper ribbons are used, the Elcom company cannot guarantee the quality of the printing or the preservation of data.


- Use only the AC/DC adapter provided or an adapter recommended by an authorized dealer. The use of other types of adapters may result in damage to the adapter or the cash register.

Notice: For communication between the cash register and a computer, use only the program recommended by your authorized dealer and the original connection cable for the cash register.

- If the cash register is used in different ways than those described in these instructions, the dealer cannot be responsible for any incorrect data or damage that may result.
- Only equipment which conforms to European Union standards (CE) should be connected to the Euro-150TE/TX Flexy. In other cases, the Elcom company cannot guarantee the adherence to standards of whole system. Your authorized dealer or the Elcom company can inform you about the possibilities of connecting the Euro-150TE/TX Flexy cash register with different equipment.
- A symbol on the product or on its packaging indicates that this product, upon completion of its use, should not be treated as common household waste. Instead it should be handed over to a special take-back scheme for



the recycling of electrical equipment and electronic components. By ensuring the proper disposal of this product, you will help preserve natural resources and help prevent potential negative consequences on the environment and on human health. You can get further details from your local office or from the nearest waste-collection centre.

-  The product contributes to environmental protection through the use of non-lead technology during its production.



## **BASIC DEFINITIONS**

### **Logo**

The heading of each printed receipt contains introductory information, followed by a description of the goods purchased. It is primarily used to identify the owner of the cash register (company name, address, tax information, company identification, etc.)

**Figure 1.1 – Receipt logo**



### **Tax level**

Tax level is used to determine the tax on the goods sold. It is characterized by a percent value.

### **Measure units**

Sales units are used in connection with the quantity of goods sold (meters, liters, etc.). Each PLU has a specific sales unit assigned which indicates the quantity of the goods sold. It is possible to program 8 specific sales units with a maximum of three characters.



## PLU

PLU (Price Look Up) is an abbreviation used to denote a specific product item. The PLU code represents the name of the product, the sale price, its barcode and flags (assignment to a department, VAT level, PLU type, etc.)

## DPT

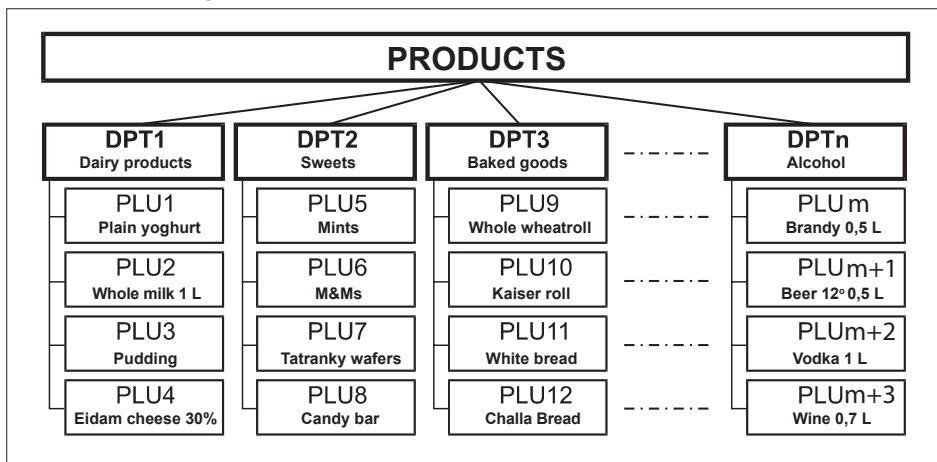
Departments (DPTs) are used to denote groups of goods having some common features (dairy products, foodstuffs, fruit, etc.). A department is characterised by its name, parameters, and by the preprogrammed selling price, if it is used for direct sale.

For example: whole milk – 0.63 GBP, plain yogurt – 0.31 GBP.

## The connection between departments and PLUs

The example in figure 1.2 clearly illustrates the relation between the departments and the product items (PLUs).

Figure 1.2 – The connection between departments and PLUs



## Reports

Reports provide an overview of sales according to selected criteria (daily totals, periodical (e.g., monthly), etc.). There are two basic types of reports: „X“ and „Z“.

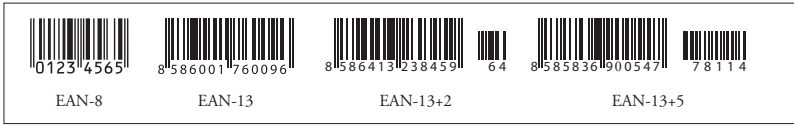
„X“ reports print out specific sales values (according to the report selected) without zeroing out this data in the cash register memory

„Z“ reports print out the sales values of the selected report, and after the printing of these values, zeroes out the cash register memory.

## Barcodes

A barcode is a graphic encoding of a number signifying a product according to strictly defined international regulations. If a product has a barcode assigned, the barcode is depicted on each packaging for this product. The most frequently used codes for products in Europe are the 13-digit code according to the EAN norm (EAN - 13) and the 8-digit code (EAN-8). The Euro-150TE/TX Flexy cash register is also capable of working with EAN barcodes which contain an expanded 2 or 5-digit section. The cash register does now allow the same code to be assigned to different products.

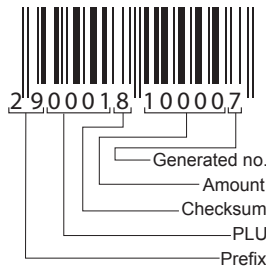
Figure 1.3 – EAN barcodes



## Weight and price barcodes

The cash register is also capable of processing barcodes containing product weights or the price of a product. The recommended prefixes for coding amounts are 27, 28 or 29 and for coding prices are 24, 25 or 26. A weight barcode is in the format: PPXXXVMMMMMK, where PP is the barcode prefix, XXXX is the PLU number (0001 – 2400, up to. 9999), V is the control number for the scale, MMMMM is the weight of the product to the third decimal place and K is the control number for the barcode. A price barcode is also in this same format, but MMMMM is the price of the product, not the weight.

Figure 1.4 - A weight barcode



## Expanded barcodes

The Euro-150TE/TX Flexy cash register allows you to work with expanded barcodes EAN-13 (+2) and EAN-13 (+5) with the prefixes 977 and 978, which are used to designate serial publications. If in the programming mode an item is assigned an expanded barcode through the barcode scanner, the cashier must decide whether to store the entire code or only its 13-place base. When entering of an expanded barcode from the keyboard the entire code is stored, including the expanded portion. If in registration mode, an item is registered by entering an expanded barcode, the entire entered code is initially searched for. If an item is not found, an additional search is made, but only with the 13-place basis of the entered code.

## The barcode scanner

A barcode scanner is a device which ensures the scanning of a barcode. The device is used at the point-of-sale for the rapid and accurate registering of products being purchased.

Figure 1.5 – Barcode scanner



## **Cumulated totals (grandtotals)**

Cumulated totals are variables that cumulate the values from all sales. There are usually three known grandtotals: GT1, GT2, and GT3. Their meaning is as follows:

GT1 - gross turnover - this means the cumulated total of all positive values registered in the ECR

GT2 - net turnover - the net turnover means the difference between gross turnover and negative turnover

GT3 - negative turnover - this means the cumulated total of all negative values (refunds, discounts...) registered in the ECR.

## **Concepts defining payments in a foreign currency**

### **Primary currency**

The currency in which all important financial calculations in the cash register are kept.

### **Foreign (secondary) currency**

An optional other currency serving for making payments and withdrawals concurrently with the primary currency. The cash register allows a record of withdrawals and payments to be kept in one foreign currency.

***CASH REGISTER  
CHARACTERISTICS***

## PARTS OF THE CASH REGISTER, BASIC PARAMETERS

Using and programming the cash register is simple and intuitive thanks to its clearly arranged menu (see the MENU MAP in the chapter „Programming the cash register“).

The high quality Euro-150TE/TX Flexy cash register emerges from the experiences of the most successful business with regard to simple handling of the cash register and a functional design. It is designed for smaller to medium-large operations, grocery stores, drug stores, textile shops fast food operations and others.

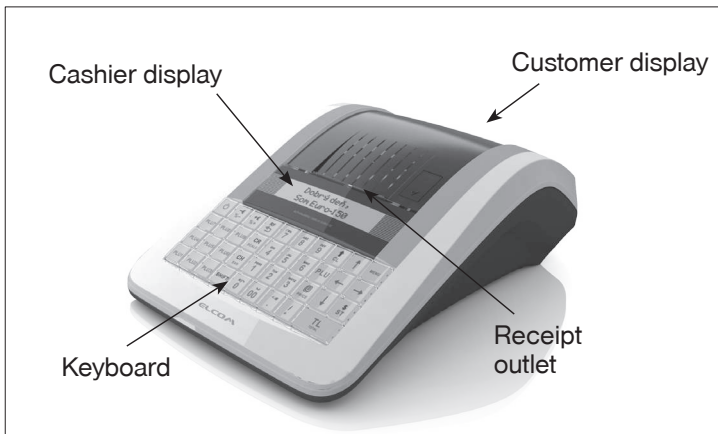
**The Euro-150TE/TX Flexy cash register can be powered by:**

- an electrical network 230V ( $\pm 10\%$ ) via the supplied power adapter
- a built-in accumulator, which is not a standard component of the cash register

The package includes the cash register, the adapter, the user manual, an SD card and a presentational CD.

The cash register fully supports the English language.

**Figure 2.1 – Basic parameters of the Euro-150TE/TX Flexy cash register**



**Table 2.1 – Parameters of the Euro-150TE/TX Flexy**

Designed for	all types of counter operations, smaller to medium size self-service sellers, operations of services, taverns and bars
Number of PLUs	10 - 2790
Number of DPTs	20
Number of cashiers	10
Number of VAT tax levels	7
Printer	Euro-150TE Flexy: Seiko LTPD-245 Euro-150TX Flexy: Seiko LTPD345D-576-E5
Average printer speed	12 lines/s
Thermal paper ribbon	Euro-150TE Flexy: 1 x 57mm Euro-150TX Flexy: 2 x 38 mm
Number of characters in a PLU name	Euro-150TE Flexy: 42 Euro-150TX Flexy: 28

*Cash register characteristics*

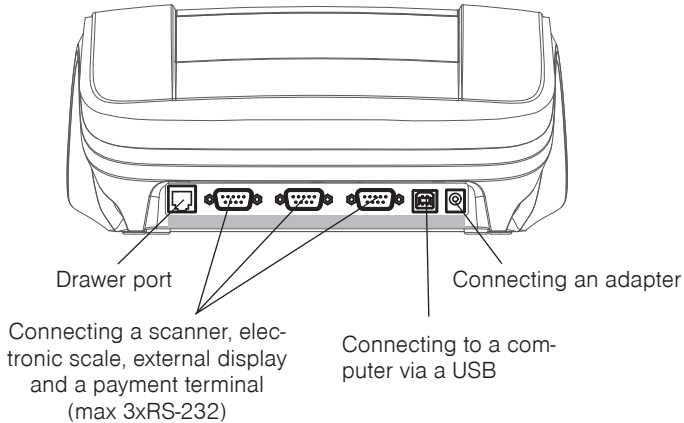
Number of characters in a logo line	Euro-150TE Flexy: for 57mm - 42 / 21* Euro-150TX Flexy: for 38 mm - 28/14* *(normal. characters / double-sized characters)
Upper text logo	max. 9 lines (10th line – Company ID/VAT ID) (11th line - Unique No.)
Lower text logo	max. 9 lines
Graphic logo	Euro-150TE Flexy: max. size of 360x240 dots Euro-150TX Flexy: max. size of 240x240 dots format - BMP, 1 bit depth
Capital and small characters	yes
Bold characters	
Language programming	English
Language for receipts	
Language for reports	
Reports	Financial, PLU, DPT, cashiers, cash drawers, inventory, Combined
Operating condition	temperature 0-45°C, humidity 80% at a temperature of 35°C and lower
Cashier display	alphanumeric, 2 * 16 characters with back-lighting
Customer display	10-place LCD with back-lighting
PC interface	USB
Interface for scale, scanner, payment terminal or external display	1xRS232 (possible expansion to 3xRS232)
Memory card*	SD card
Dimensions in mm	340 x 253.5 x 120.5 mm (Wx D x H)
Weight	1.66 kg
Power adapter	100-240V / 9V DC, 3A
Battery	as an optional accessory
Energy-saving mode	yes
Standard specifications	EN 55024, EN 61000-4-2, 3, 4, 5, 6, EN 61000-3-2, 3, EN55022 – class B

\* memory card serves for import and export of product items t (e.g. departments DPT) and storage of electronic journal. (electronic journal. for Euro-150TE Flexy)

## ATTACHING PERIPHERAL DEVICES

**Notice:** Your supplier can inform you about the possibilities of attaching individual peripheral devices.

**Figure 2.2 – Connectors to the Euro-150TE/TX Flexy cash register**



## THE EURO -150TE/TX FLEXY KEYBOARD

The cash register keyboard is made up of a numeric part (numbers), programmable keys (immediate PLU1-PLU9) and function keys. If there are two functions on a single key, it is necessary to select individual functions as follows: the function on the lower part of the key is selected by simply pressing the key. To choose the upper function on the key, it is necessary to first push and hold the „SHIFT“ key. The keyboard is very comfortable and is ready for all-day operation. The keys are marked by large and simple icons for fast orientation.


































**Figure 2.3 – The Euro-150TE/TX Flexy keyboard**



**Notice:**

Use a clean, dry cloth to clean the keyboard. Never use cleaning agents such as petrol or solvents. The use of such chemicals can lead to damage to the keyboard or cause discoloration. If you need to clean a heavily soiled keyboard, we recommend using a 3M cleaning spray.

## Names and functions of keys

-  NUMERICAL KEYS are used to enter numerical values and to enter text in programming „P“ mode.
-  Holding down the SHIFT key and then pressing a key with dual functions selects the function written on the upper part of the key.
-  The CLEAR key is used to clear an amount that has been entered incorrectly from the numeric keyboard. This key also cancels an incorrectly entered function and the sound signalling ERROR/ALARM. It cancels incorrect characters when entering text.
-  The VOID key is used to correct an item that has already been registered. In the “P mode this key is used for printing out all active items on the given menu.
-  The REFUND key enables you to buy back returned packages during a sale or as an independent transaction.
-  In the “R” and “T” mode press the EAN key after entering barcode value to sell the item with this barcode. In the “P” mode, pressing this key allows you the specific programmed values.
-  When the cash register is connected to an electronic scale, the SCALES key is used to read the weight of the weighed goods. In the „P“ mode this key is used to print out all the programmed parameters in the given item.
-  The SHIFT key advances the receipt ribbon without printing. Pressing the key moves the paper ribbon by about 1.5 cm.
-  Searching for a PLU in registration mode by name, internal number in the cash register database or by barcode.
-  Opening of the cash drawer.
-  The MULTIPLY key is used for multiplication if two or more of the same item are being sold.
-  The DIVIDE key is used for sales of fractional amounts.
-  The PRICE key enables the manual entry of a price rather than registering the preprogrammed PLU price for one item. It is also used for fast PLU price programming in the “P” mode.
-  After completing a transaction, it is possible to print out a duplicate receipt by pressing the DUPLICATE key. The receipt is marked “DUPLICATE”.
-  The PLU key (PRICE LOOK UP)
-  DEPARTMENT KEYS are used for registration of department sales.
-  This combination you can use for next programmable DPTs
-  The CREDIT key is used to finalize a sale when payment is made with a credit card.
-  The CHECK key is used to select the type of payment when payment is made by check. In the „P“ mode it is used to print out programmed data.
-  and  These two keys are used for adding a percent surcharge or subtracting a percent discount for a given item or for a complete transaction according to the programmed values.
-  and  This function services for logging off of a cashier (active only if at least one of the cashiers has a programmed password). To log off, it is first necessary to press  repeatedly until main menu appears (go to the MAIN MENU – R-mode.)
-  and  These two keys are used for adding a value surcharge or subtracting a value discount for a given item or for a complete transaction.
-  The SUBTOTAL key displays and prints out the current subtotal value.
-  The TOTAL/CASH key is used to finalize a sale when payment is made in cash. In the cash register menu this key serves to transition to a sub-menu or confirmation of a selected/entered value.
-  The MENU key is used to call up the cash register menu. With the menu open, this key serves to shift the selected level up one line.
-  The arrow keys serve for movement within the cash register menus. In „R“ mode, upon opening a sale, the   keys serve for the moving of individual registered product items.
-  The ON/OFF key is used for switching the cash register on and off. This key is also used to wake the cash register up from the Power-saving mode.





Turn on/off the printing receipt.

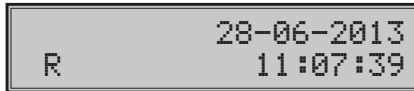
Turn on the cash register Euro-150TE/TX Flexy to Mass Storage. Power off to exit.

## DESCRIPTION OF DISPLAYS

### Description of the cashier display

The cashier display is a double-line LCD character display with back-lighting. In the first and second lines up to 16 characters can be displayed.

Figure 2.4 – Alphanumeric LCD display







### Description of the customer display

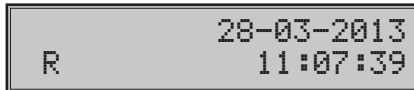
The customer display of the Euro-150TE/TX Flexy is a 10-character, 7-segment LCD display with back-lighting.

Figure 2.5 – Division of the 7-segment LCD display

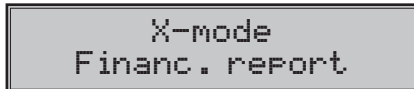


## ENTERING CASH REGISTER MODES

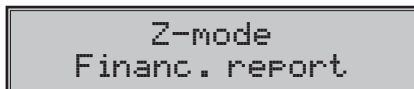
Pressing the key  (MENU) calls up the cash register's Main Menu, where by using the arrow keys  or  and subsequently confirming with the key  TOTAL, it is possible to select a cash register mode. Such mode switching allows a worker using the cash register to work in a variety of modes (registering sales, programming, printing reports, etc.).



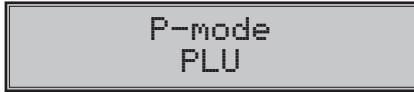
Registration mode. This mode is used for all registering and sales transactions. Upon switching into this mode, the display shows the actual date in the first line and the actual time in the second line until registration of sales begins.



The "X"-mode is used to print out all types of sales reports, which do not zero-out the cash register's sales data.



The "Z"-mode is used to print out all types of summary reports, which zero-out the cash register's sales data.





The „P“ mode is used for programming all values and functions of the cash register.



Training mode has all the functions of the „R“ mode (except deposits and withdrawals). The cash register records for training mode the number of documents created and their turnover from the last performed daily Z-report. Receipts printed out in this regime are labeled with the text “Training”..



„Standby“. The cash register goes into power-saving mode when a determined time limit passes without any activity. In power-saving mode the cash register has low energy consumption. The text „Standby“ appears on the display. All buttons, aside from the  (ON/OFF) button are non-functional in this mode. The power-saving mode is ended by pressing the  (ON/OFF) key.

## **PAPER RIBBONS INSTALLATION**

The Euro-150TE Flexy cash register uses one thermal paper ribbon whose width is 57 mm. The Euro-150TX Flexy cash register uses two thermal paper ribbons whose width is 38 mm. The ribbon serves for the printing of customer receipt. The cash register keeps the control receipt in electronic form. For Euro-150TE Flexy version and for Euro-150TX Flexy cash register keeps the control receipt in paper form.

We recommend using only rolls of good quality paper with a maximum diameter of 55 mm. To ensure proper cash register operation, it is important to be sure that the print is sufficiently saturated. If any problems occur, contact your local authorized Euro-150TE/TX Flexy dealer.

**Figure 2.4 – Installation of paper ribbon into the Euro-150TE/TX Flexy**

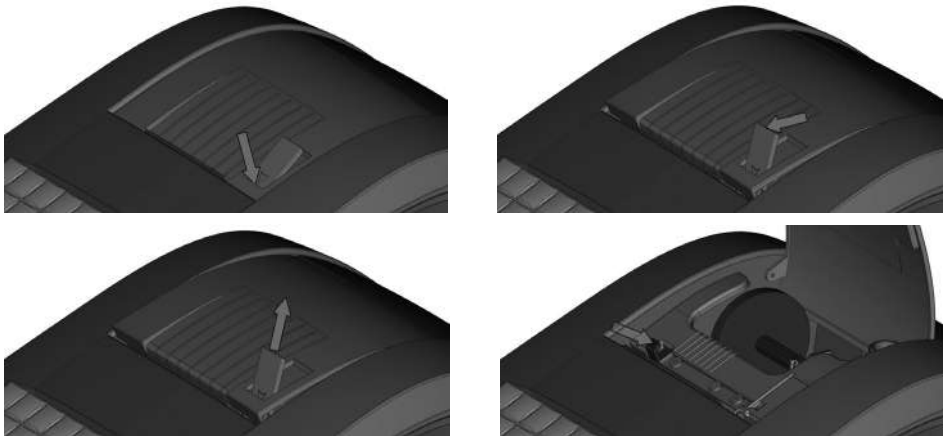


Figure 2.4.1 Euro-150TE Flexy

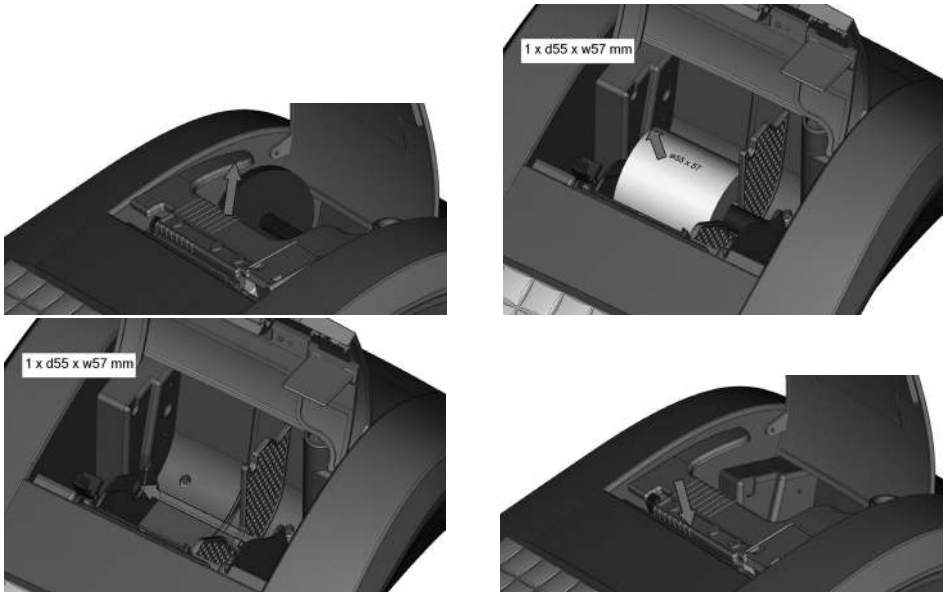
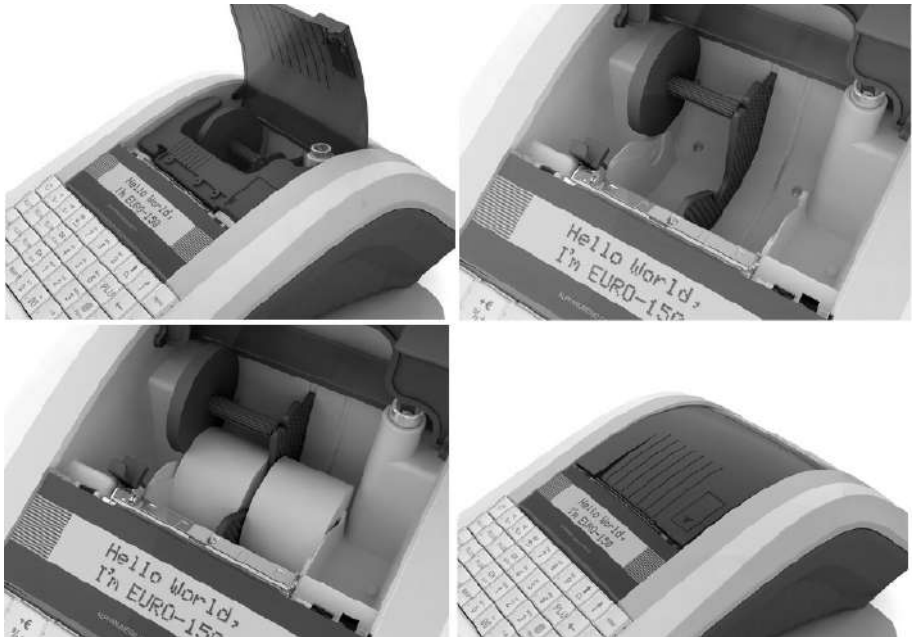


Figure 2.4.2 Euro-150TX Flexy



## Usage and storage of paper ribbons

Conditions for the proper storage of thermal paper rolls supplied by Elcom, with which the producer guarantees the consistency of the printer output for at least 5 years and special ribbons of the type TC for minimally 12 years:

- room temperature of 18 to 25 °C,
- relative air humidity of. 40 to 60% max,
- keep away from direct sunlight.

### Among impacts limiting the consistency of the printer are:

- long exposure to temperatures over 40 °C,
- being kept in a damp or humid environment,
- contact with softening materials (stored in PVC folio), with solvents, mollifiers, glues, with carbon and self-adhesive paper, direct sunlight.

When taping a report into an accounts book, only press tape at the end of the paper ribbon in order not to damage the printed data. If proper storage conditions are not maintained or non-quality journal paper is used, Elcom cannot guarantee the quality of printing.

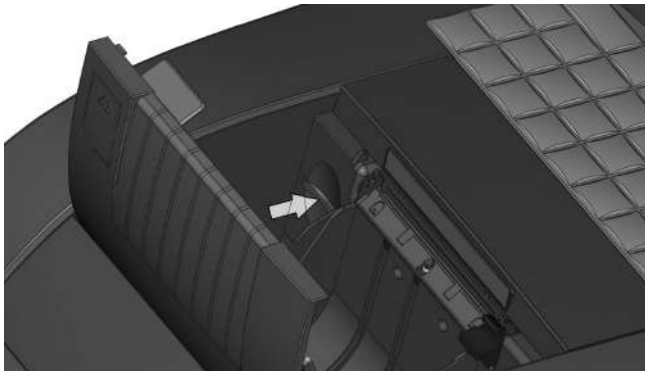
If the red color stripe marking the ribbon end appears, change the paper ribbon immediately. Delay in changing the paper roll can damage the printer or possibly shorten its lifespan.

## USING A MEMORY CARD

The slot for the memory card is located in the space for the cash register ribbon spool (see Fig. 2.8). For access to the memory card it is necessary to open the printer cover and lift the printer head. The Euro-150TE/ TX Flexy cash register supports work with memory cards of the SD type (up to a capacity of 2 GB) and SDHC (the Elcom company does not guarantee functionality of the cash register with cards of the micro and mini SD type). At present it is possible to use the memory card for the export and import PLU databases, DPT, cashiers, text and graphic logos and storage of electronic journals (see the chapter „Export and Import“).




  -Turn on the cash register Euro-150TE/TX Flexy to Mass Storage. Power off to exit.

Figure 2.5 – Installing an SD card into the cash register



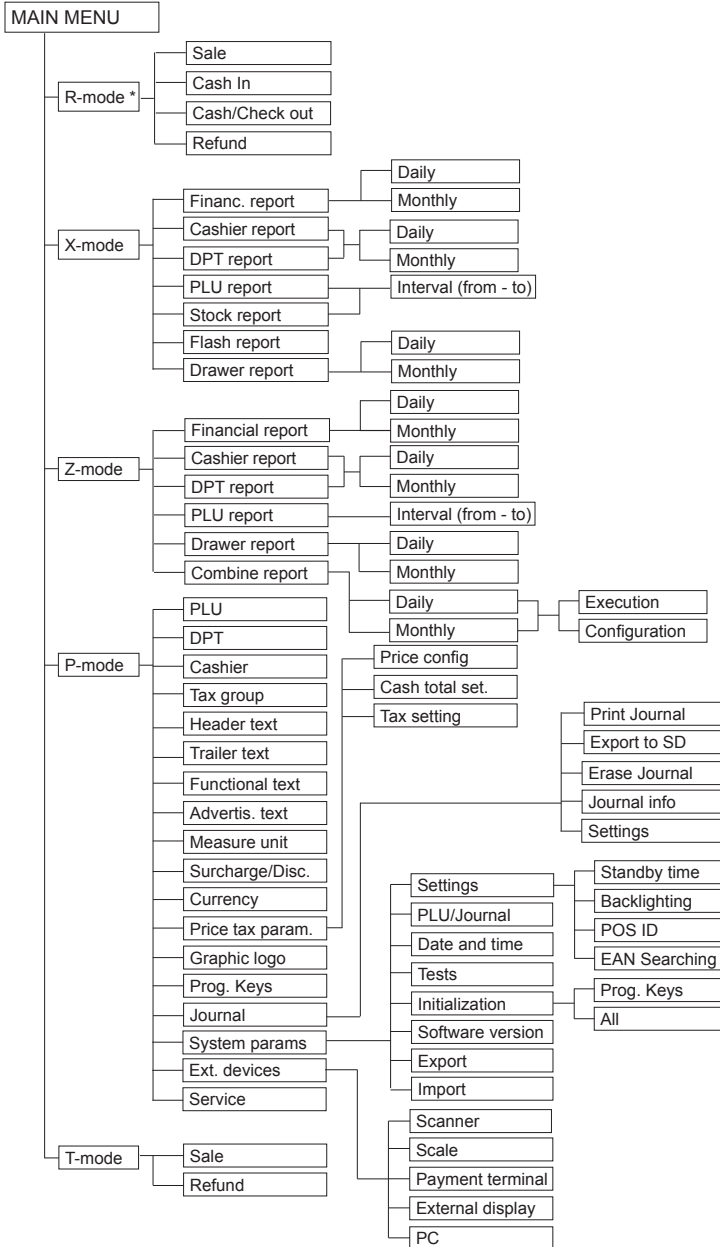
## Setting the contrast of the display


With different intensities of the surrounding lighting, it is possible to set the contrast of the characters depicted on the display for the cash register operator.

The contrast can be set in all cash register modes by pressing the key  (SHIFT) and by pressing the arrow key  or increasing the contrast or  decreasing the contrast. The value set for the contrast is automatically stored and will be used even after switching off and then switching on the cash register.

***PROGRAMMING  
THE CASH REGISTER***

## MENU MAP











\* from the main menu after selecting R-mode you will go directly to "Sale"; you can get to the registration mode menu (Sale / Cash In / Cash/Check Out / Refund) by pressing the key  (MENU) in R or T mode








## INITIALIZATION

If you are launching the cash register into operation for the first time, it is useful to initialize it. Initialization of the cash register clears all programmed data and their meters for product items, departments, sales units, surcharges and discounts. All other settings and register counters are preserved. You can select to initiate programmable keys only.

### Procedure for initialization

Sequence of steps	Display
Turn the cash register on and using the buttons  (MENU),  TOTAL and  or  enter into the initialization menu (Main menu - P-mode - System params - Initialization)	System Params Initialization
Select what you want to initiate with keys  or  Programmable keys or All settings.	Initialization Prog. Keys
	Initialization All
Press  TOTAL and then confirm the initialization by pressing the  SUBTOTAL key.	Continue? yes=ST, no=any
The cash register begins initialization and „Clearing...” appears on the display. After successful completion of initialization the display reads:	Store init. OK


### Procedure of programming size of memory for PLU and Journal

Sequence of steps	Display
Turn on the cash register and using the buttons  (MENU),  TOTAL and  or  enter into the menu (Main menu - P-mode - System params - PLU/Journal). Please save all PLU and journal before changing the size of memory for PLU and Journal.	Change of value deletes PLU&JRN!
Set the number of PLU. Interval is 10 - 2790 and press  TOTAL	PLU Count 2000
Information about capacity for journal. Press buttons  (MENU),	Journal Capacity 906kB/580
Press the  SUBTOTAL key to confirmation and press any button for canceling.	Save change? yes=ST, no=any
The cash register begins initialization and „Clearing...” appears on the display. After successful completion of initialization the display reads:	System Params PLU/Journal

## GENERAL PROCEDURE WHEN PROGRAMMING IN “P”-MODE

Before you start programming the cash register, we recommend that you read this chapter at least one time through!

### Note:

If a button has two functions, the function in the lower part of the button is selected by directly pushing the button; in order to select the upper function, it is necessary to first press the  (SHIFT) button.

## Basic rules for navigating in a menu

- 1) Switch the cash register into the Main Menu by pressing the **MENU** key and then use the arrow keys **←** or **→** to navigate to the P-mode menu,



confirm your choice by pressing the **TOTAL** key. The display appears as follows:



- 2) By pressing the arrow keys **←** or **→** you can navigate through the individual lines of the programming mode, which are described in more detail in the following chapter.
- 3) Press the **TOTAL** key to enter into the selected item menu, or to confirm (save) a programmed value. Continue in this way until you have programmed all of the necessary parameters. Or press the **MENU** (MENU) key to switch to a menu one level higher (back)..
- 4) After selection of a specific parameter, a value is set either by manually entering a numerical value (price, EAN,...), entering text on the keyboard (names of PLU, DPT, sales units,...) or by pressing the arrow keys **↑** or **↓**. After setting a correct value, confirm it by pressing the **TOTAL** button; the newly programmed parameters is then printed out.
- 5) Should you make a mistake when entering a numerical value or text, you can remove the incorrectly entered character by pressing the **↓** CLEAR key.
- 6) If there is no necessity to change (save) a given parameter, it is possible to pass to another item using the arrow keys **←** or **→** or to leave the given menu by pressing the **MENU** (MENU) key.
- 7) Complete the programming by pressing the **MENU** (MENU) key.

**TIP:** Press **SHIFT** **←** or **SHIFT** **→** to switch between equal parameters for individual items. For example, when programming the name of the first product item, after pressing **SHIFT** **→** you automatically switch to programming the name of the second product item.

## Printing of programmed values

Print a value for a specific programmed parameter by pressing the **CH EAN** (EAN) key; print all parameters in a given item by pressing **CR SCALE** SCALE, and use the **RF** VOID key to print out all active items in the given menu.

## Revision of programmed values

- 1) In order to change the setting of any parameter, switch the cash register into P-mode and find the relevant parameter in the menu.
- 2) Enter the new value and confirm by pressing the **TOTAL** key.

### Note:


Proceed according to the chapter "Basic rules for navigating in a menu".

### Warning:









Some parameters can be changed only after meeting the requirement for a change (for example a daily, monthly Z report, an exchange rate setting,...); conditions for a change will be presented along with the specific parameters.



## Editing text in EditMode

EditMode is a function for editing and adding new text. It is started with a text item immediately after entering new text, which deletes the original content or by pressing , with which the original text remains and which can then be altered.

The following keys are used to switch on EditMode:

-  - Entry/Exit from EditMode. Switching on Edit Mode is indicated by a blinking „■“
-  - shift the cursor to the left,
-  - shift the cursor to the right,
-  - shift the cursor to the start of the text,
-  - shift the cursor to the end of the text,
-  - switching on/switching off the inserting or replacement of text (InsertMode). The mode for inserting text is indicated by the symbol „\_“,
-  - switching on/switching off typing in of numbers (NumLock),
-  - deletion of a whole line.

\* the cursor is displayed at the end of the line marking the current position where text will be added or changed.

## Recommended procedure when programming the cash register

We recommend that when programming individual functions of the cash register that a user do so in the following order:

- 1) price and tax parameters
- 2) currencies (if you accept payment in a foreign currency)
- 3) taxation levels
- 4) receipt logo
- 5) departments
- 6) sales units
- 7) product items
- 8) surcharges and discounts
- 9) system parameters - Date and time
- 10) peripherals (if applicable)

**Table 3.1 - Structure of the menu in P-mode**

Mode	ABBR.*	Menu name	Menu description
P-mode	1	PLU	Menu for programming of PLUs
	2	DPT	Programming the name of a DPT
	3	Cashier	Programming cashier parameters
	4	Tax group	Menu for programming rates and types of taxes
	5	Header text	In this menu you program the logo with data about your company
	6	Trailer text	In this menu you program the logo with advertising information
	7	Functional text	Change of functional text
	8	Advertis. text	Programming of texts depicted on the external display
	9	Measure unit	Possibility of programming sales units
	-	Surcharge/Disc.	Programming values and limits for surcharges and discounts
	-	Currency	Settings for primary and secondary currencies

-	Price tax param.	Setting parameters for prices and taxes
-	Graphic logo	Setting for switching off/on printer
-	Prog. Keys	Programming of keys
-	Journal	Possibilities of a text and binary journal together
-	System params	Menu for system settings for the cash register, Changeover to the euro
-	Ext. devices	Setting for peripherals (scanner, scale, payment terminal, PC)
-	Service	Service functions

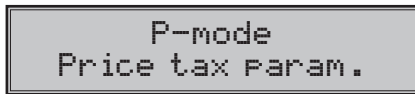
\* abbreviations are used for faster navigation in the menu

**Example:** if you are in P-mode and press, for example, the number 5, you'll jump to the menu for programming the text logo

## PRICE AND TAX PARAMETERS

**Note:**

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



**Table 3.2 -Parameters for prices and taxes - move through the menu using the arrow keys** ← or →

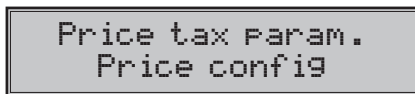
Menu	ABBR.*	Sub-menu name	Sub-menu description
Price and tax parameters	1	Price config	Basic settings for prices
	2	Cash total set.	Basic settings for cash
	3	Tax setting	Basic settings for taxes

\* abbreviations are used for rapid navigation in the menu


These parameters are data which have a primary impact on the proper functioning of the entire cash register (number of decimal places, rounding off, etc.). Settings for all parameters, in accordance with applicable law, are created after launching the cash register into operation.

## Overview of individual price and tax parameters



### Settings for prices



The table provides an overview of individual parameters for setting prices, including the range of possible values, basic settings and a brief description.

**Table 3.3 – Settings for prices – move through the menu using the arrow keys**  or 

Name of parameter	Default settings	Range	Description
Unit price scale *	2	0-3	Setting the number of unit price decimal places
Price round type *	up from 5	down, up, up from 5, quarter, eighth	Method of rounding prices
Price round plac *	2	0-2	Position of rounding prices

\* method of editing – use the arrow keys  or 

### Settings for cash

The table provides an overview of individual parameters for setting cash showing the range of possible values, default settings and a brief description

**Table 3.4 – Settings for cash –move through the menu using the arrow keys**  or 

Name of parameter	Default settings	Range	Description
Nat.curr.-round*	up from 5	down, up, up from 5, quarter, eighth	Method of rounding cash in the primary currency
Nar.curr.-place*	2	0-2	Parameter for position of rounding in the primary currency
For.curr.-round*	up from 5	down, up, up from 5, quarter, eighth	Method of rounding cash in the secondary currency
For.curr.-place*	2	0-2	Parameter for position of rounding in the secondary currency

\* method of editing – use arrow keys  or 

### Settings for taxes

The table provides an overview of individual parameters for the settings for taxes showing the range of possible values, default settings and a brief description.

**Table 3.5 – Settings for tax levels – move through the menu using the arrow keys**  or 

Parameter name	Default settings	Range	Description
Round type *	up from 5	down, up, up from 5, quarter, eighth	Method of rounding taxes in the primary currency
Round place *	2	0-2	Position where taxes should be rounded
Print taxes *	yes	no	Print taxes on receipt, for non-payers of tax, set to "no"

\* method of editing – use arrow keys  or 

## CURRENCIES

### Note:

Prior to programming read as soon as possible the section „General procedure when programming in P-mode“, which is found at the start of the chapter „Programming the cash register“.

P-mode  
Currency

The cash register allows you to accept payment in cash in a foreign currency as well. For this purpose there is a menu for setting currencies which contains the following parameters:

**Table 3.6 – Currencies – move through the menu using the arrow keys** ← or →

Parameter name	Default setting	Range	Description
Nat.curr.-Name	GBP	3 characters	Programming the name of the primary currency
Nat.curr.-scale *	2	0-2	Number of decimal places - primary currency
For.curr.-Name	EUR	3 characters	Programming the name of the secondary currency
Rate MC = ? FC	1.144600		Exchange rate for secondary currency
For.curr.-scale *	2	0-2	Number of decimal places - secondary currency

\* method of editing – use arrow keys ↑ or ↓

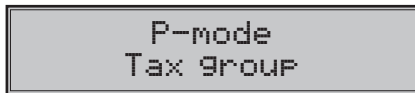
**Note:**

Some parameters can be programmed only after fulfilling certain conditions. For example, performing a daily Z-report (a change in the exchange rate of the secondary currency).

**TAXATION LEVELS**

**Note:**

Prior to programming read as soon as possible the section „General procedure when programming in P-mode“, which is found at the start of the chapter „Programming the cash register“.



The cash register allows you to work with up to 7 levels of taxes (VAT). Taxation rates just be programmed in accordance with the valid legislation.

**Note:**

For a change in taxation it is necessary to perform a daily Z and a monthly Z report. See the chapter „Reports“.

**Table 3.7 - parameters for programming taxation rates**

Parameter	Default setting	Range	Description
TAX-rate	VAT1 = 20%, VAT2 = 10%, VAT3=0%; VAT4 =0%; VAT5 = 100%; VAT6 = 100%; VAT7 = 0%	0-100%	Setting of a taxation rate
TAX-type*	VAT1 – VAT, VAT2 – VAT, VAT3- VAT, VAT4 – Tax free, VAT5 – VAT, VAT6 – VAT, VAT7 – VAT	VAT, Tax free, Invoice	Type of tax, characterizes, whether it involves a VAT, a non-taxable level or payment by invoice

\* method of editing – use arrow keys ↑ or ↓

**Note:**

Tax level set to a value of 100% is inactive. A PLU assigned to an inactive taxation level cannot be registered. Changed values become valid upon completion of tax programming and after confirmation and storage of them by the cashier,

## HEADER TEXT

### Note:

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.

```

P-mode
Header text
  
```

The cash register allows for the printing a company logo up to 9-lines at the top of the receipt (e.g.: “Chestnut Grocers, Thank You”, etc.) Each line enables the printing of 42 characters of normal width or 21 double-width characters. For Euro-150TX Flexy it is 28 characters of normal width or 14 double-width characters. Enter a double-width character by pressing  $\overline{\text{SHIFT}}$   $\overline{00}$  before the character. The character “~” will appear on the display, indicating that the following character will be double-width.

```

1. header line
  ~E ~L ~C ~O ~M
  
```

To navigate between individual lines of a text logo, use the arrow keys  $\overleftarrow{\text{RECEIPT}}$  or  $\overrightarrow{\text{RECEIPT}}$ . For confirmation (storing) of a change in content of a logo line, press the key  $\overline{\text{TL}}$  TOTAL, or leave programming of a logo, press the key  $\overline{\text{MENU}}$  MENU.

The cash register only prints lines of a text logo which contain a character (a space is also considered as a character). Lines left empty will not be printed. Delete a line by pressing the key  $\overline{\text{PERC}}$  PERCENTAGE SALE.

### Programming ID/VAT ID and Unique No.

The 10th and 11th lines of a text logo are reserved for programming in ID/VAT ID and Unique No. For launching a cash register into operation, it is necessary to program in this information; e.g. VAT ID: SK123456789

## TRAILER LOGO

### Note:

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.

```


P-mode
Trailer text
  
```

The cash register allows for the printing a company logo up to 9-lines of text at the end of the receipt (e.g.: “Thank You”, opening hours, etc.). Each line enables the printing of 42 characters of normal width or 21 double-width characters for Euro-150TE Flexy cash register. For Euro-150TX Flexy it is 28 characters of normal width or 14 double-width characters. Enter a double-width character by pressing  $\overline{\text{SHIFT}}$   $\overline{00}$  before the character. The character “~” will appear on the display, indicating that the following character will be double-width.

```

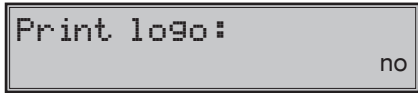
1.trailer line
*****
  
```

To navigate between individual lines of a text logo, use the arrow keys  $\overleftarrow{\text{RECEIPT}}$  or  $\overrightarrow{\text{RECEIPT}}$ . For confirmation (storing) of a change in content of a logo line, press the key  $\overline{\text{TL}}$  TOTAL; to leave programming of a logo, press the key  $\overline{\text{MENU}}$  MENU.

The cash register only prints lines of a text logo which contain characters (a space is also considered as a character). Lines left empty will not be printed. Delete a line by pressing the key  PERCENTAGE SALE.

## GRAPHIC LOGO




Programming of a graphic logo in the cash register can be done with the use of communication software accessible at [www.elcom.eu](http://www.elcom.eu) or using the function Import from an SD card.



\* method of editing – use arrow keys  or 

### Graphic logo parameters:

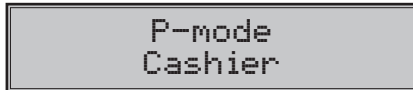
- bmp format
- bit depth 1bit (black and white, without shading)
- maximum logo size for Euro-150TE Flexy is 360 x 240 dots and for Euro-150TX Flexy is 240 x 240 dots (with a lower resolution graphic logo the maximum size is not filled in)

Printing of a graphic logo can be switched off by pressing the key  in the menu for the graphic logo, subsequently it is necessary to confirm the setting by pressing  TOTAL. If printing a graphic logo is set on "yes" and the logo has not been programmed in, no graphic logo will be printed on the receipt.

## PROGRAMMING CASHIERS

### Note:

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



The cash register allows the recording of financial operations for ten independent cash registers. Programming of cash registers is made up of nine programmable types of data:

**Table 3.8 - parameters for programming of cashiers**

Cashier Name	Cashier password	Cash. X mode	Cash. Z mode	Cash. P mode	Cash. T mode	Cash. R: Return	Cash. R: Void.	Cash. R: %+/-
10 characters	4 characters	yes	yes	yes	yes	yes	yes	yes
		no	no	no	no	no	no	no

Programming of passwords for cashiers enables a unique password to be created for each cashier, who can then use it to log into the cash register and thus use the individual functions of the register. After logging in of a specific cashier, a receipt will be printed out with the cashier's name and all operations then performed will be recorded under that name.

### Note:

If the name of the current cashier is changed, it is necessary to perform a logging out and repeat the log in so that the change will be reflected on the receipts.

## DEPARTMENTS

### Note:

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



The Euro-150TE/TX Flexy cash register allows you to program up to 20 different departments (To see what constitutes a department and for an example, look in the introduction of this manual in the chapter „Basic Definitions“). For Euro-150TE Flexy a department can only be programmed with a name up to 42 characters or 21 double-sized characters in length. For Euro-150TX Flexy a department can only be programmed with a name up to 28 characters or 14 double-sized characters in length.

- 1) Press the **TOTAL** key to enter into the selected item menu, or to confirm (save) a programmed value. Continue in this way until you have programmed all of the necessary parameters. Or press the **MENU** key to switch to a menu one level higher (back)..
- 2) After selection of a specific parameter, a value is set either by manually entering a numerical value (Price), entering text on the keyboard (Name) or by pressing arrow keys **←** or **→** (TaxRate). After setting a correct value, confirm it by pressing the **TOTAL** button; the newly programmed parameters is then printed out.
- 5) Should you make a mistake when entering a numerical value or text, you can remove the incorrectly entered character by pressing the **CLEAR** key.
- 6) If there is no necessity to change (save) a given parameter, it is possible to pass to another item using the arrow keys **←** or **→** or to leave the given menu by pressing the **MENU** key.
- 7) Complete the programming by pressing the **MENU** key.

**TIP:** Press **SHIFT** **←** or **SHIFT** **→** to switch between equal parameters for individual items. For example, when programming the name of the first product item, after pressing **SHIFT** **→** you automatically switch to programming the name of the second product item.

## Jumping to a specific product DPTs


If we want to change a parameter, for example, for the 9th DPT, this can be done as follows:

Sequence of steps	Display
Set the cash register to the P-mode for programming DPT; the setting of a price for the first product item is displayed:	0001.DPT-Name DPT01
Enter the DPT9 button wish you want to jump to and jump to the <b>DPT9</b>	0001.DPT-Price 25.00
Cash register jumps to the programmed price for the DPT no. 09	0009.DPT-Price 0.00

## Printing of programmed values



Print a value for a specific programmed parameter by pressing the **CR** key (EAN); print all parameters in a given item by pressing **CR** **SCALE**, and use the **RF** **VOID** key to print out all active items in the given menu.

## Revision of programmed values

- 1) In order to change the setting of any parameter, switch the cash register into P-mode and find the relevant parameter in the menu.
- 2) Enter the new value and confirm by pressing the  TOTAL key.

**Table 3.9-1 – parameters for programming product items**

Parameter	Default settings	Range	Description
DPT-Name	DPT01	Euro-150TE Flexy: max. 42 char. Euro-150TX Flexy: max. 28 char.	Name of the product
DPT-Price	0,00	max. 8 digits	Price of the product
DPT-TaxRate *	0.00% (A)		Assign to a tax level

\* method of editing – use arrow keys  or 

## MEASURE UNITS

**Note:**

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.




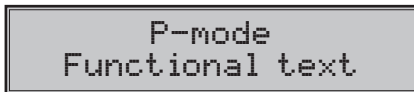
For each PLU it is possible to assign a sales unit which characterizes the specific product. It is possible to program 8 measure units to a maximum of 3 characters for each.

**Table 3.9 - basic pre-programmed measure units**

Unit, number	Description	Unit, number	Description
1		5	m
2	pcs	6	m2
3	kg	7	btl
4	l	8	pkg

## FUNCTIONAL TEXTS

In this part it is possible to change the description "REFERENCE NUMBER" displayed upon entering a reference number. After entering the setting, confirm by pressing  TOTAL. Upon deletion of the text an empty line is printed. The text can be programmed with 42 characters or 21 double-sized characters for Euro-150TE Flexy and for Euro-150TX Flexy the text can be programmed with 28 characters or 14 double-sized characters.



## PRODUCT ITEMS - PLU

**Note:**



Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.






The Euro-150TE/TX Flexy cash register offers the opportunity to program up to 2790 PLUs.. For each product item it is possible to program the following:

**Table 3.10 – parameters for programming product items**

Parameter	Default settings	Range	Description
PLU-Price	0.00	max. 8 digits	Programmed price of the product
PLU-Name		Euro-150TE Flexy: max. 42 characters Euro-150TX Flexy: max. 28 characters	Name of the product
PLU-Barcode*	0000000000000	max. 18 digits	Item barcode number
PLU-Flags**	0101010000100		Attribute of the item
PLU-TaxRate***	20.00% (A)		Assign to a tax level
PLU-DPT***	DPT01		Assign to a department
PLU-unit***			Assign to a measure unit
PLU-linkPLU****	0000	0-2000	PLU number which is linked
PLU-ofPrice***	yes	yes, no	Possibility for entering another price other than programmed
PLU-descr.***	no	yes, no	Attribute if a descriptive item is involved. In this case print out a name PLU but sale doesn't impact financial count.
PLU-ret. con.***	no	yes, no	Attribute for assigning item to a category of returnable packaging (bottle, crate, barrel,...).
PLU-stock	0.000	max. 2 147 483.647	State of inventory for given item

\* a barcode can be entered manually or using a barcode scanner

\*\* to program the attributes of product items, press the key  TOTAL, or enter the attribute manually for the given PLU and confirm the change with the  TOTAL key. When you want to switch out of the programming attributes, press the  key





\*\*\* method of editing – use arrow keys  or 


\*\*\*\* if a PLU is linked to another product, upon sale of the given PLU the linked product item is automatically registered. This can be used with different activities, in the case of a refundable package (bottle, crate, ...) e.g. the purchase of PLU 1 (mineral water) and along with it charging PLU 1 500 (bottle). Upon setting a value of 0, no PLU is linked to the linked product. It is not possible to link a PLU to itself!

**Note:**

A product item without a name or assigned to an inactive taxation level is inactive (it cannot be registered).


**TIP:**

By pressing  or  you can shift between equal parameters for individual items. For example, when programming the name of the first product item, after pressing  you are automatically shifted to programming the name of the next product item. When programming prices of items the buttons  PRICE function in a similar

way, that is, when programming the price for the first product, press the  PRICE key and you'll automatically shift to programming the price of the second item.

### Jumping to a specific product item

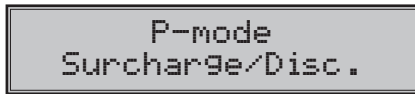
If we want to change a parameter, for example, for the 25th PLU item, this can be done as follows:

Sequence of steps	Display
Set the cash register to the P-mode for programming product items; the setting of a price for the first product item is displayed:	0001.PLU-Price 0.00
Enter the number of the item you wish to jump to; in our case the 25th, and press the button  (PLU)	0001.PLU-Price 25.00
Cash register jumps to the programmed price for the PLU no. 25	0025.PLU-Price 0.00

## SURCHARGES AND DISCOUNTS

**Note:**

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



**Table 3.11 – parameters for programming surcharges and discounts**

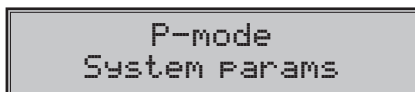
Parameter name	Default setting	Range	Description
1.Surcharge rate	0.00	0.00-100%	Programmed value of percent surcharge
2.Surch. limit	0.00	0.00-100%	Limit for manual entry of surcharge during sale
3.Discount rate	0.00	0.00-100%	Programmed value of percent discount
4.Discount limit	0.00	0.00-100%	Limit for manual entry of discount during sale

The parameters “Surcharge limit” and „Discount limit“ also determine the possibility of using a value surcharge, or discount respectively. This means that if you want to forbid the use of value surcharges/discounts, it is necessary to set the limit of percentage surcharge/discount to value 0.


## SYSTEM PARAMETERS

**Note:**

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



Tabuľka 3.12 – System parameters - navigate through the menu using the keys  or 

Menu	ABBR.*	Name of sub-menu	Description of sub-menu
System params	1	Settings	Setting the time for transfer to power-saving mode (0-60 min), setting the backlight of the display (Automatic shut-off, Switch off/on), and setting of number of cash register (01-99), EAN searching
	2	PLU/Journal **	Programming number of PLU
	3	Date and time	Programming the date and time
	4	Tests	Basic cash register tests
	5	Initialization ***	Clears all programmed data and returns register to default settings
	6	Software version	Cash register displays actual version of software in the register. Press  (EAN) to print out the version number.
	7	Export	Export PLUs (all programmed data) to a memory card
	8	Import	Imports PLUs from a memory card <ul style="list-style-type: none"> <li>• ADVERTXT.EDF - advertisement texts</li> <li>• DPT.EDF - departments</li> <li>• FUNCTEXT.EDF - functional texts</li> <li>• LOGO.BMP - graphic logo</li> <li>• MEASUNIT.EDF - sales units</li> <li>• OPERATOR.EDF - cashiers</li> <li>• PLU.EDF - product items</li> <li>• SURDISC.EDF - surcharges and discounts</li> <li>• TAXGROUP.EDF - tax levels</li> <li>• TEXTLOGO.EDF - upper text logo</li> <li>• TRAILLOG.EDF - lower text logo)</li> </ul>

\* abbreviations are used for rapid navigation in the menu

\*\* operation deletes PLU and Journal

\*\*\* more information in the chapter „Initialization“.

## Exporting and Importing of data

### Exporting of data

The „Export“ function serves for the storing of data from the cash register to an SD memory card. This function can be used for the backing up of product items (PLU), departments (DPT), measure units, surcharges and discounts, tax levels, a text logo (header and trailer), cashiers, a graphic logo, or in the case of a software upgrade, for backing up and subsequently renewing data. Thus it is possible to store the electronic journal on a memory card.



You can, if you wish, backup only selected individual parts (PLU, DPT, Measure units, Surcharges and discounts, Taxation levels, Text logos, cashiers, graphic logo) or export all at the same time.



When the export of PLUs is successful, the following files are created: "DPT.EDF, LOGO.BMP, MEASUNIT". EDF, OPERATOR.EDF, PLU.EDF, SURDISC.EDF, TAXGROUP.EDF, TEXTLOGO.EDF, TRAILLOG.EDF". Files belong to the project, which can be edited in the software program available for download from our Web site, [www.elcom.eu](http://www.elcom.eu). After saving changes to the project, you can then import the data back to the cash register.

When you choose the option Export-All, the following files are created on the memory card:

- ADVERTXT.EDF - advertisement texts
- DPT.EDF – departments
- FUNCTEXT.EDF - functional texts
- LOGO.BMP – graphic logo
- MEASUNIT.EDF – sales units
- OPERATOR.EDF – cashiers
- PLU.EDF – product items
- SURDISC.EDF – surcharges and discounts
- TAXGROUP.EDF – tax levels
- TEXTLOGO.EDF – upper text logo
- TRAILLOG.EDF - lower text logo

**Warning:**

*If data from the cash register has been previously stored to a memory card, further exporting will cause it to be overwritten and irrevocably lost.*

**Importing of data**

The „Import“ function serves for the storing of data from an SD memory card into the cash register memory. This function can be used for the backing up of product items (PLU), departments (DPT), measure units, surcharges and discounts, tax levels, a text logo (header and trailer), cashiers, a graphic logo..



For the successful importing of data the following files must be on the memory card "DPT.EDF", "LOGO. BMP", "MEASUNIT. EDF", "OPERATOR.EDF", "PLU.EDF", "SURDISC.EDF", "TAXGROUP.EDF", "TEXTLOGO. EDF, TRAILLOG.EDF", which was created by export from the cash register or with the help of the program for editing cash register data, which is available for download at [www.elcom.eu](http://www.elcom.eu).

**Warning:**

- *When importing, all data stored in the cash register will be overwritten with data from the SD memory card and will be irrevocably lost.*
- *During an export or import of cash register data, do not turn off the register and do not open the printer cover!*
- *For proper functioning of import the name of the file containing data is definitive and must be in the form listed above.*


## PERIPHERALS

Note:

Prior to programming, read the „General procedure when programming in P mode“, which is located at the beginning of the chapter „Programming the cash register“.



In this menu you can configure the parameters for peripheral attachments such as a barcode scanner and electronic scales.

**Table 3.13 – Peripherals - navigate through the menu using the keys  or **



Menu	ABBR.*	Name of sub-menu	Description of sub-menu
Peripherals	1	Scanner	Parameters and communications port for communicating with a scanner
	2	Scale	Parameters and communications port for communicating with scales
	3	Payment terminal	Parameters and communications port for communicating with a payment terminal
	4	External display	Parameters and communications port for communicating with an external display
	5	PC**	Allows setting of the port for communication with a PC

\* abbreviations are used for rapid navigation in the menu

\*\* if communication with a PC is not used, we recommend setting the port as none, in order to improve performance when working on the battery.



**Table 3.14 - parameters for programming a scanner**

Parameter	Default setting	Range	Description
Terminative char*	Scanner CRLF	Scanner CRLF, Scanner CR, Scanner LF	Terminal code for barcode scanner
Com. port*	None	none, Port 1, Port 2, Port 3	Communication port for barcode scanner

\* method of editing – use the arrow keys  or 



**Table 3.15 - parameters for programming a scale**

Parameter	Default settings	Range	Description
Scale type *	Morcan, MARTES T	Morcan, MARTES T, Euro, MARTES M, Macca K, DIBAL, Motex R, Mettler Toledo, ACOM, CAS Morcan TP2	Communication protocol for electronic scales
Com. port *	none	none, Port 1, Port 2, Port 3	Communication port for an electronic scale

\*method of editing – use the arrow keys  or 



**Table 3.16 - parameters for programming a payment terminal**

Parameter	Default settings	Rozsah	Description
Paym. term. type*	Bull SK	Dionica SK SLSP, Bull SK, Firstdata I5100	Communication protocol for a payment terminal
Com. port *	none	none, Port 1, Port 2, Port 3	Communication port for a payment terminal

\*method of editing – use the arrow keys  or 

**Table 3.17 - parameters for programming an external display**

Parameter	Default settings	Range	Description
Display Type *	ED-2500	ED-2500	Type of external display used
Com. port *	none	none, Port 1, Port 2, Port 3	Communication port for an external display

\*method of editing – use the arrow keys  or 

**Table 3.18 - parameters for programming a PC port**

Parameter	Default settings	Range	Description
PC port *	USB port	USB port, none	Communication port for PC

## JOURNAL

### Text and binary journal\*

The control ribbon is preserved in the cash register in the form of an electronic journal. The journal is stored continuously in the cash register memory. It is possible upon its being filled to export it onto a memory card, or transfer it via a communication library to a PC and subsequently delete it from the cash register. In order to simplify work with the electronic journal it is possible to set it for automatic export to a memory card (not included with the register) upon performing of a daily report.

**Table 3.19 – Parameters of the text journal - navigate through the menu using the arrow keys  or **

Menu	ABBR.*	Name of sub-menu	Description of sub-menu
Journal	1	Print Journal	Print texts journal onto a receipt
	2	Export to SD	Save the text and binary journal to a memory card
	3	Erase Journal	Clear the text and binary after previously exporting or transferring it to PC
	4	Journal Info	Displays the free capacity of the journal as a percentage
	5	Settings	Enables the setting for automatic export of the journal after performing a Z report

\* only for Euro-150TE Flexy

Serves for preservation of structured information about sales. Stored data can then be transferred to a PC to use for evaluation of different sales statistics.

## PROGRAMMING THE KEYBOARD

Serves for assigning functions to a selected key. Each key contains two functions. One function will be available by directly pressing the key and the second will be accessible upon pressing the key together with the SHIFT key.

**Table 3.21 - Programming the keyboard**

Menu	Description
01. Key	Assign function to 1st key
01. Shift + Key	Assign function to 1st key with simultaneous pressing of the SHIFT key
...	...
38. Key	Assign function to 38th key
38. Shift + Key	Assign function to 38th key with simultaneous pressing of the SHIFT key

Use the arrow keys (←), (→) to select the keys to be set with the requested function from the list.

Use the arrow keys (↑), (↓) to assign the given key a function from the list of all functions available in the cash register.

Use the **TL** TOTAL key to confirm and store the change of function for the given key.

For assigning a specific PLU for a given key enter the PLU number and confirm by pressing **TL** TOTAL.

Use the keys **MENU** to complete programming of the keyboard, and the changes made are subsequently stored by pressing the **ST** key (pressing a key other than **ST** will not save the changes).

After storing changes, the cash register, prints out the assigned function for each key.

The cash register has a number of key functions defined as mandatory. This means that those functions must be assigned to a key, they can not remain unassigned. A list of mandatory cash register functions:

Function	Description	Function	Description
VK_NUMPAD0	Number 0	VK_FEED	shift paper ribbon
VK_NUMPAD00	double 0	VK_UP	arrow up
VK_DECIMAL	decimal separator	VK_CONTRUP	increase display contrast
VK_NUMPAD1	number 1	VK_LEFT	arrow to the left
VK_NUMPAD2	number 2	VK_PGUP	shift one page up
VK_NUMPAD3	number 3	VK_RIGHT	arrow to the right
VK_NUMPAD4	number 4	VK_PGDOWN	shift one page down
VK_NUMPAD5	number 5	VK_DOWN	arrow down
VK_NUMPAD6	number 6	VK_CONTRDOWN	reduce display contrast
VK_NUMPAD7	number 7	VK_SUBTOTAL	subtotal
VK_NUMPAD8	number 8	VK_SHIFT	shift
VK_NUMPAD9	number 9	VK_RETURN	total
VK_MENU	menu	VK_PLU	PLU
VK_LOGOUT	cashier log out	VK_DRAWER	cash drawer opening
VK_CLEAR	clear		

## ADVERTISING TEXTS

Serves for displaying of advertising texts on the external display (display aimed at customer) when no open purchase being registered, the cash register is not in energy-saving mode and on the cashier display the current date and time are shown.

**Table 3.22 – Advertising texts**

Menu	Default setting	Range	Description
1.Advert.-Text		40 characters	Advertising text appears on first line of display
1.Advert.-Type	Time	Advert.text	Shows advertising text entered
		Date	Shows the actual date
		Time	Shows the actual time
1.Advert.-Lookup	Off	Static	Method of display for the text type of advertising. For date and time advertising types, the method of display is ignored.
		Blinking	
		Rolling	
		Roll. - 2 lines	
		Off	
2.Advert.-Text		40 characters	Advertising text appears on second line of display
2.Advert.-Type	Time	Advert.text	Shows advertising text entered
		Date	Shows the actual date
		Time	Shows the actual time
2.Advert.-Lookup	Off	Static	Method of display for the text type of advertising. For date and time advertising types, the method of display is ignored
		Blinking	
		Rolling	
		Roll. - 2 lines	
		Off	

**Note:**

*With the static method of displaying advertising text the maximum number of characters possible will be displayed in a single line.*

*When setting the two-lines method for the advertising text only one advertising text will be displayed.*

## PROGRAM EQUIPMENT EURO2A


The Euro-150TE/TX Flexy cash register comes supplied with the Euro2A program, which serves to prepare data for programming the Euro-150TE/TX Flexy, individual settings and reports. It allows simple and easy modification and transmission of all programmable data for the cash register (from setting of system attributes through logos and programming PLUs and departments) from the PC to the cash register, and it handles the storing of data from the cash register and processing data on sales as well as other useful functions. The latest version of the Euro2A program can be downloaded and installed from our Web page at: <http://www.elcom.eu>.




***OPERATION IN  
REGISTRATION MODE***

The functions that are described in the following chapters are used in the registration mode. The cash register preserves all financial operations in this mode. All of the below-described functions can first be tried in training mode without preserving any financial data in the cash register.




## STATUS AND FUNCTIONS WHICH ARE REQUIRED TO KNOW PRIOR TO THE START OF RINGING SALES

If there are two functions on a key, the function in the lower part of the key is selected by simply pressing the key. To select the upper function, you must first press and hold the  SHIFT key.

### Error warning - the CLEAR key

With the incorrect use of a function key, or if the range for registering is exceeded, an error message appears on the display. The description of the error can be removed by pressing the  CLEAR key. Afterwards simply enter the correct information.

### Keys for finalizing payment with CASH, CHECK and CREDIT

All business transactions are completed by pressing certain keys determined for payment, or a combination of keys. Depending on the method of payment (in cash, with a credit card, check, etc.) a transaction is completed by pressing the relevant keys:  TOTAL,  CREDIT, or  CHECK.

Prior to pressing the key for determining payment, it is possible to enter a value which the customer wants to pay towards the given payment. So long as the value entered is smaller than the required sum, the cash register will then request the payment of the remaining sum (possibility of combining individual payments); otherwise the cash register shows the sum which needs to be entered.



With payment by credit card or check, neither the payment nor the value of the sale is rounded.

**Note:** *The subtotal commonly appears in its unrounded form.*

### Changing the cashier





Changing the cashier is done by logging off from the main menu of the cash register and subsequently logging on of the new cashier.






Logging off is done by pressing the keys   MENU in the main menu, until the message "Logged out..." is displayed. After logging off it is necessary to proceed with logging on a cashier as is described in the previous section.

Logging off of a cashier can only be done under the assumption that at least one of the cashiers has been assigned a password.

### Logging in a cashier

When logging in a cashier, the name of the cashier account is selected by pressing the keys  . After a cashier is selected, the cashier is confirmed by pressing the key  TOTAL and the cash register asks the cashier to enter his/her password. After entering the password, press the  TOTAL key to confirm the password and after successful log in the cash register shifts into registration mode. The cash register will notify the operator if an incorrect password is entered.

## REGISTRATION MODE MENU

This menu is reached when in the registration mode (the sales mode) by pressing  (MENU). Pressing  or  will shift you through the individual menu items, which are described in detail in Table 4.1 and in

the following chapters. By pressing the **[TL]** TOTAL key you enter into the selected menu item, or perform a cash register function.

**Table 4.1 – Structure of the menu in registration mode**

Mode	ABBR.*	Menu name	Menu description
REGISTERING	1	Sale	Sales mode
	2	Cash In	Deposit cash, for example, at the start of the day
	3	Cash/Check out	Withdraw cash, or checks in the primary or secondary currency
	4	Refund	Product refund

\* abbreviations are used for rapid navigation in a menu

## SAMPLES OF BASIC REGISTRATION PROCEDURES

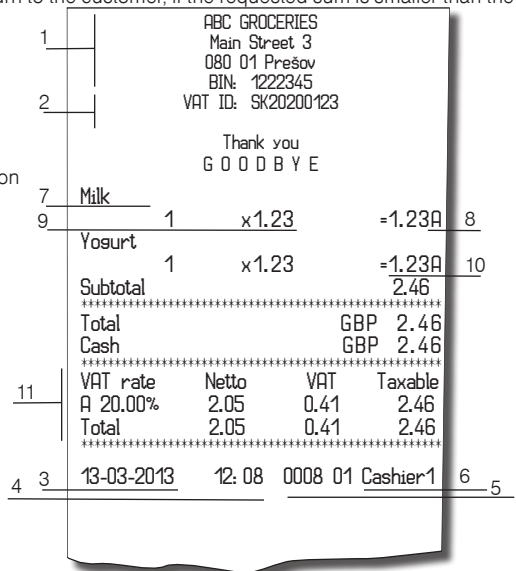
**Notice:**

*Trial registration of items after launching of the register into operation can be done in T-mode.*

- 1) Log the cashier in with a password.
- 2) Switch the cash register into registration mode „R“ (training mode „T“).
- 3) Enter the code of the item sold.
- 4) Press the **[PLU]** PLU key.
- 5) Repeat points 2 and 3 for each item you wish to ring in.
- 6) Once you have rung in all items, press the **[ST]** SUBTOTAL key. The total amount of the sale, including tax, appears on the display.
- 7) Announce the sum to the customer.
- 8) Enter the portion which the customer has paid and press the corresponding key for the type of payment: **[TL]** TOTAL, **[SHIFT][CR]** CREDIT, or **[SHIFT][CH]** CHECK.
- 9) On the display will appear the amount to return to the customer, if the requested sum is smaller than the amount received.
- 10) Tear off the receipt and give it to the customer along with any change.

**Figure 4.1 – Sample sales receipt:**

- 1 – receipt header (logo),
- 2 – register ID information, owner of the operation
- 3 – date,
- 4 – time,
- 5 – receipt no and register no,
- 6 – cashier name,
- 7 – item name,
- 8 – tax level assigned,
- 9 – amount sold and unit price,
- 10 - sales price for the item
- 11 - TAX sumar



## PLU REGISTRATION

Each product item is assigned a number (a PLU number), for example, RAMA butter-5, whole milk-23, Rum-189, etc. Individual PLU numbers are programmed with information about the product - name, price, DPT, etc. Entering a PLU number and pressing **PLU** (PLU) automatically calls up and rings in the product from the cash register's database.

PLU registration allows the recording of the sale of individual items. The names of the items are taken from the cash register memory and printed on the receipt and the transaction is recorded in the department.

PLU selling reduces errors when ringing in sales, lists each item individually on the receipt, clearly organizes the sale and increases the speed of registering. This method of selling gives you an overview of the sale of each individual item.

### Basic PLU registration

**Example:** A customer buys Encian cheese with a price of 0.90 and Butter with a price of 1.04:

Sequence of steps	Operator display	Receipt																																																
<b>POS 1</b> <b>PLU</b>	1*Encian cheese 0.90	<table border="0"> <tr><td>Encian cheese</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>x 0.90</td><td>-0.90</td><td>A</td></tr> <tr><td>Butter</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>x 1.04</td><td>-1.04</td><td>A</td></tr> <tr><td>Subtotal</td><td></td><td>1.94</td><td></td></tr> <tr><td colspan="4">*****</td></tr> <tr><td>Total</td><td></td><td></td><td>GBP 1.94</td></tr> <tr><td>Cash</td><td></td><td></td><td>GBP 1.94</td></tr> <tr><td colspan="4">*****</td></tr> <tr><td>VAT rate</td><td>Netto</td><td>VAT</td><td>Taxable</td></tr> <tr><td>A 20.00%</td><td>1.62</td><td>0.32</td><td>1.94</td></tr> <tr><td>Total</td><td>1.62</td><td>0.32</td><td>1.94</td></tr> </table>	Encian cheese				1	x 0.90	-0.90	A	Butter				1	x 1.04	-1.04	A	Subtotal		1.94		*****				Total			GBP 1.94	Cash			GBP 1.94	*****				VAT rate	Netto	VAT	Taxable	A 20.00%	1.62	0.32	1.94	Total	1.62	0.32	1.94
Encian cheese																																																		
1	x 0.90		-0.90	A																																														
Butter																																																		
1	x 1.04	-1.04	A																																															
Subtotal		1.94																																																
*****																																																		
Total			GBP 1.94																																															
Cash			GBP 1.94																																															
*****																																																		
VAT rate	Netto	VAT	Taxable																																															
A 20.00%	1.62	0.32	1.94																																															
Total	1.62	0.32	1.94																																															
<b>TUV 2</b> <b>PLU</b>	1*Butter 1.04																																																	
<b>ST</b> <small>SUBTOTAL</small>	Subtotal 1.94																																																	
<b>TL</b> <small>TOTAL</small>	Cash 1.94 GBP																																																	

### Repeated registration of an item

**Example:** A customer buys one package of cheese (PLU 1: Encian cheese with a price of 0.90), which is rung in, and then decides to buy a second package of cheese:

Sequence of steps	Operator display	Receipt																																																
<b>POS 1</b> <b>PLU</b>	1*Encian cheese 0.90	<table border="0"> <tr><td>Encian cheese</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>x 0.90</td><td>-0.90</td><td>A</td></tr> <tr><td>Encian cheese</td><td></td><td></td><td></td></tr> <tr><td>1</td><td>x 0.90</td><td>-0.90</td><td>A</td></tr> <tr><td>Subtotal</td><td></td><td>1.80</td><td></td></tr> <tr><td colspan="4">*****</td></tr> <tr><td>Total</td><td></td><td></td><td>GBP 1.80</td></tr> <tr><td>Cash</td><td></td><td></td><td>GBP 1.80</td></tr> <tr><td colspan="4">*****</td></tr> <tr><td>VAT rate</td><td>Netto</td><td>VAT</td><td>Taxable</td></tr> <tr><td>A 20.00%</td><td>1.50</td><td>0.30</td><td>1.80</td></tr> <tr><td>Total</td><td>1.50</td><td>0.30</td><td>1.80</td></tr> </table>	Encian cheese				1	x 0.90	-0.90	A	Encian cheese				1	x 0.90	-0.90	A	Subtotal		1.80		*****				Total			GBP 1.80	Cash			GBP 1.80	*****				VAT rate	Netto	VAT	Taxable	A 20.00%	1.50	0.30	1.80	Total	1.50	0.30	1.80
Encian cheese																																																		
1	x 0.90		-0.90	A																																														
Encian cheese																																																		
1	x 0.90	-0.90	A																																															
Subtotal		1.80																																																
*****																																																		
Total			GBP 1.80																																															
Cash			GBP 1.80																																															
*****																																																		
VAT rate	Netto	VAT	Taxable																																															
A 20.00%	1.50	0.30	1.80																																															
Total	1.50	0.30	1.80																																															
<b>PLU</b>	1*Encian cheese 0.90																																																	
<b>ST</b> <small>SUBTOTAL</small>	Subtotal 1.80 GBP																																																	
<b>TL</b> <small>TOTAL</small>	Cash 1.80 GBP																																																	

## Multiplication in PLU registration

**Example:** A customer buys 12 units of Encian cheese (PLU no. 1) with the programmed price of 0.90 GBP.

Sequence of steps	Operator display	Receipt
	12*	
	12*Encian cheese 10.80	

## PLU registration using a price not programmed

The cash register can be programmed such that for registering with PLUs it is possible to use a price already programmed in or one entered via the keyboard (see the chapter Programming the Cash Register – Product Items). A customer gets a special price, but the given PLU already has a price programmed in. In the following example, PLU no. 2 has a programmed price of 1.04, but the sale price is 0.95 GBP.

Sequence of steps	Operator display	Receipt
	Price 0.95	
	1*Butter 0.95	

## Multiplication in PLU registration using a price not programmed

**Example:** A customer buys 12 packages of Encian cheese (PLU no. 1 with a price of 0.90 GBP). With this number of units, he gets a special sale price of 0.83 GBP entered at the cash register. (You can multiply a unit price also by fractional numbers: 1.5; 0.125; etc.). The multiplier with the decimal part is used for direct sale of weighed goods (meat, vegetables, salads, and the like), where the unit price is determined (for example, per 1 kg, per 100g, etc.).

Sequence of steps	Operator display	Receipt
	12*	
	Price 0.83	
	12*Encian cheese 9.96	

## Double multiplication in PLU registering

**Example:** The price programmed in for a square meter of carpet is 1.06 GBP (sample PLU no. 3 – Carpet). The customer purchases 3x5 square meters.

Sequence of steps	Display	Receipt
	3*5*	
	3*5* Carpet 15.90	

It is possible to also use manual price entry; the process was presented in the chapter „PLU registration with a price not programmed“.

## Fractional PLU registration

**Example:** A price is set for package containing 5 units (e.g. a box of light bulbs) at a price of 1.99 GBP. The customer buys only 3 of them. Procedure:

Sequence of steps	Display	Receipt
	3/5*	
	3/5* light bulb 40W 1.19	

It is possible to also use manual price entry; the process was presented in the chapter „PLU registration with a price not programmed“.

## OTHER TYPES OF PLU SALES

### Linked PLU registration

If the PLU being sold has a different item linked to it (package, crate, sale product,...), the cash register automatically continues with the sale of the linked PLU item. (see the chapter Programming the cash register - Product items).




#### Applicable rules for registering linked PLUs:

- The voiding of the main PLU automatically cancels the linked PLU.
- With the refunding of the main PLU, a refund of the linked PLU is automatically registered.
- The linked PLU is registered in the same quantity as the main PLU.
- Registering of a surcharge/discount to the main PLU is not applied to the linked PLU, but only to the main PLU.
- The price of the main PLU entered at the keyboard is not valid for the linked PLU.

### Registering of refundable packaging

When programming a refundable package it is necessary to set the relative attribute (PLU-ret.con. – yes). For more, see the chapter Programming the cash register – Product items. Subsequently, it is possible to link a given product item to another PLU.

**Example:** A customer buys Mineral water (PLU no. 4 with a price of 0.62 GBP), and PLU no. 4 is further linked with PLU no. 100 (Bottle with a price of 0.13 GBP).

Sequence of steps	Display	Receipt
	1*Bottle 0.13	Mineral water 1 x 0.62 =-0.62 A Bottle 1 x 0.13 =-0.13 A Subtotal 0.75
	Subtotal 0.75 GBP	Total GBP 0.75 Cash GBP 0.75
	Cash 0.75 GBP	VAT rate Netto VAT Taxable A 20.00% 0.52 0.10 0.62 D Non-taxable 0.13 0.00 0.13 Total 0.65 0.10 0.75

**Note:**


In the first step, for a brief moment, there information about the sale of mineral water is shown, then information about the sale of the linked PLU is shown (bottle)..

## Registration using a barcode

- a sale using a barcode scanner

A barcode scanning device can be connected to the cash register. The sale of a product using this scanner consists of simply scanning the barcode on the item's packaging. For proper functioning of the barcode scanner with the cash register it is necessary to program the parameters of the scanner into the cash register (see Programming the cash register – Peripherals).

**Example 1:** The sale of 3 identical items using the barcode scanner.

Sequence of steps	Display	Receipt
	3*	Butter 3 x 1.16 =-3.48 A
scanning of the barcode	3* Butter 3.48	Total GBP 3.48 Cash GBP 3.48 VAT rate Netto VAT Taxable A 20.00% 2.90 0.58 3.48 Total 2.90 0.58 3.48

**Note:**

A barcode must be programmed for the given PLU

- a sale of a product by manually entering the barcode

If necessary, when the barcode scanner is not functioning or the barcode of an item cannot be read by the scanner, it is possible to manually enter the barcode number directly into the register using the keyboard.

**Example 2:** The sale of a single product with the barcode 8586001760096.

Sequence of steps	Display	Receipt
<div style="border: 1px solid black; padding: 2px;"> <span>ARC 8</span> <span>JAL 5</span> ... <span>FUN 7</span> <span>MNO 6</span> <span>0</span> <span>0</span> <span>9</span> <span>MNO 6</span> </div>	8586001760096	<div style="border: 1px solid black; padding: 5px;">                     Beer 12% 1 x 0.41 =-0.41 R                      .....                      Total GBP 0.41                      Cash GBP 0.41                      .....                      VAT rate Netto VAT Taxable                      R 20.00% 0.34 0.07 0.41                      Total 0.34 0.07 0.41                 </div>
<div style="border: 1px solid black; padding: 2px;"> <span>CH EAN</span> </div>	1* Beer 12% 0.41	

**Example 3:** The sale of 5 units of a single product with barcode 8586001760096.

Sequence of steps	Display	Receipt
<div style="border: 1px solid black; padding: 2px;"> <span>JAL 5</span> <span>/</span> </div>	5*	<div style="border: 1px solid black; padding: 5px;">                     Beer 12% 5 x 0.41 =-2.05 R                      .....                      Total GBP 2.05                      Cash GBP 2.05                      .....                      VAT rate Netto VAT Taxable                      R 20.00% 1.71 0.34 2.05                      Total 1.71 0.34 2.05                 </div>
<div style="border: 1px solid black; padding: 2px;"> <span>ARC 8</span> <span>JAL 5</span> ... <span>FUN 7</span> <span>MNO 6</span> <span>0</span> <span>0</span> <span>9</span> <span>MNO 6</span> </div>	5* 8586001760096	
<div style="border: 1px solid black; padding: 2px;"> <span>CH EAN</span> </div>	5*Beer 12% 0.41	

## Entering amounts using electronic scales

The Euro-150TE/TX Flexy is capable of reading the weight of products from a connected electronic scale. Communication with a scale is possible only in the „R“ or „T“ modes. An electronic scale is connected to the cash register through a port which was set in the menu „Ext. devices - Scale“.

After initiating communication (reading the weight) with the electronic scale by pressing the key CR SCALE, the weight of the product being weighed can be changed (add or remove products) as long as the no other key has been pressed on the keyboard. After the cash register has read the weight of the goods, simply enter the PLU number and press the PLU (Plu) key.

**Example:** The sale of product no. 21 (PLU 21) with a weight of 0.253 kg read from the electronic scale.

Sequence of steps	Display	Receipt
<div style="border: 1px solid black; padding: 2px;"> <span>CR SCALE</span> (reading weight from the electronic scale)                 </div>	Weighing... 0.253	<div style="border: 1px solid black; padding: 5px;">                     Oranges 0.253 x 1.04 =-0.26 R                      .....                      Total GBP 0.26                      Cash GBP 0.26                      .....                      VAT rate Netto VAT Taxable                      R 20.00% 0.22 0.04 0.26                      Total 0.22 0.04 0.26                 </div>
<div style="border: 1px solid black; padding: 2px;"> <span>TUV 2</span> <span>PORE 1</span> <span>PLU</span> </div>	0.253*Oranges 0.26	

For proper functioning of the electronic scale connected to the register, it is necessary to program the type of scale into the cash register (see the chapter „Ext- devices - Scale“).

Your local cash register supplier can inform you about the possibilities of connecting specific types of electronic scales.





## Searching for a PLU in registration mode


### Note:


Prior to searching for a PLU read as soon as possible the section „General procedure when programming in P-mode“, which is found at the start of the chapter „Programming the cash register“.


The functionality of searching for a PLU is used only in registration mode, namely before the start of a purchase or during the registering of PLUs during a sale/refund. Its purpose is to allow the operator to search for a PLU by name, an internal number in the database or by the barcode.

The cash register displays the searched-for item on the operator display, where the name of the item is listed in the first line, and in the second line an internal number in the cash register database on the left side and the price of the item on the right side.

The function can be called up or ended by pressing the key combination  . If searching for an item is active, it is possible to proceed in one of these ways:



searching an item by name – by entering part of the item name and confirming by pressing the key 


searching an item by internal number – by entering the given number of the item and confirming with the  PLU key

searching an item by the barcode – it is possible to use a scanner and by scanning the barcode, or by manually entering the barcode and confirming it by pressing the  EAN key

When searching for an item by name, a number of items may fit the search criteria; it is possible to move through the list of items by using the up and down arrow keys.

When searching for an item by internal number in the database, the searched for item is found by navigating through the entire database by using the up and down arrow keys.

When searching for an item it is possible using the right arrow key  or left arrow key  to show on the display the state of the inventory for the found PLU.










Pressing the key  leads to selection of an item from a list of found items and to its sale (if in the selling mode), or refund (if it involves a refund).

**Note:** If prior to using the PLU search function a procedure was begun (amount, refund of return packaging), this will be cancelled.

## CORRECTIONS AND VOIDS

### Clearing

**Example:** You entered an incorrect price which has still not been printed out. In the following example, number 1230 was entered erroneously in place of the correct number 1290.

Sequence of steps	Display
 1  2  3  0	1230
 CL	16-02-2013 R            14:57:50
 1  2  9  0	1290

## Voiding (cancellations)

The void (cancellation) function is used only to correct a sold item in one specific, still unfinished sale.

**An example of use:** During a sale we accidentally ring in a bad PLU or the customer rethinks the purchase of the given item.

- Voiding of the last registered item - a direct void.

Procedure: You sold the items Encian cheese and butter, but you want to remove the butter and complete the purchase:

Sequence of steps	Display	Receipt
<b>1</b>	1*Encian cheese 0.90	Encian cheese 1 x 0.90 -0.90 A
<b>2</b>	1*Butter 1.04	Butter 1 x 1.04 -1.04 A Void Butter 1 x 1.04 -1.04 A
	Void -1.04	..... Total GBP 0.90 Cash GBP 0.90
	Cash 0.90 GBP	..... VAT rate Netto VAT Taxable A 20.00% 0.75 0.15 0.90 Total 0.75 0.15 0.90

- Voiding of one of the previous items registered (not the last item registered) - an indirect void.

Procedure: If you want to void in a purchase one of the previously registered items (not the most recent, however), it is necessary to use the arrow keys or skim through the record of items sold, afterwards press (VOID).

**Example:** You sold Encian cheese and Butter and then you want to void the Encian cheese from the sale:

Sequence of steps	Display	Receipt
<b>1</b>	1*Encian cheese 0.90	Encian cheese 1 x 0.90 -0.90 A
<b>2</b>	1*Butter 1.04	Butter 1 x 1.04 -1.04 A Void Encian cheese 1 x 0.90 -0.90 A
	1*Butter (2) 1.04	..... Total GBP 1.04 Cash GBP 1.04
	1*Encian cheese (1) 0.90	..... VAT rate Netto VAT Taxable A 20.00% 0.87 0.17 1.04 Total 0.87 0.17 1.04
	Void -0.90	
	Cash 1.04 GBP	

**Note:**

The number in parenthesis tells you the line number of the item in purchase.

- Voiding (annulling) an entire receipt.

Procedure: If you wish to void an entire receipt, proceed as follows:

Sequence of steps	Display	Receipt
<b>POBS</b> 1 <b>PLU</b>	1*Encian cheese 0.90	Encian cheese 1 x 0.90 =-0.90 A Butter 1 x 1.04 =-1.04 A Subtotal 1.94 Voided receipt Total GBP 0.00 Cash GBP 0.00 VAT rate Netto VAT Taxable Total 0.00 0.00 0.00
<b>TUV</b> 2 <b>PLU</b>	1*Butter 1.04	
<b>ST</b>	Subtotal 1.94 GBP	
<b>RF</b>	Receipt void -1.94	

## SURCHARGES AND DISCOUNTS

### Percent surcharge/discount on an item

The cash register allows you to program a percentage rate that is used for a surcharge with the key  $\left[ \begin{smallmatrix} + \\ \% \end{smallmatrix} \right]$  (PERCENT SURCHARGE) and for a discount with the key  $\left[ \begin{smallmatrix} - \\ \% \end{smallmatrix} \right]$  (PERCENT DISCOUNT) and also limits for manual entry of discounts or surcharges. If you need to register a rate different than the one that is pre-programmed, enter the numeric value of the surcharge or of the discount before pressing the  $\left[ \begin{smallmatrix} + \\ \% \end{smallmatrix} \right]$  (PERCENT SURCHARGE), or  $\left[ \begin{smallmatrix} - \\ \% \end{smallmatrix} \right]$  (PERCENT DISCOUNT) key. The value of the new rate will be effective only if it does not exceed the pre-programmed limit for manual entry and will apply for a single registration

Surcharges or discounts cannot be applied to product items which are programmed as refunded packaging. If a refunded package was charged during purchase, after applying the surcharge/discount for a purchase, (after pressing **ST**) it is not applied to the refunded packaging.

**Procedure for applying a programmed percentage discount:** (condition: programmed values in the P-mode for surcharges and discounts, see the chapter „Programming the cash register - Surcharges and discounts“). We want to apply a programmed 10% discount on Encian cheese:

Sequence of steps	Display	Receipt
<b>POBS</b> 1 <b>PLU</b>	1*Encian cheese 0.90	Encian cheese 1 x 0.90 =-0.90 A Discount 10.00% -0.09 A Total GBP 0.81 Cash GBP 0.81 VAT rate Netto VAT Taxable A 20.00% 0.67 0.14 0.81 Total 0.67 0.14 0.81
$\left[ \begin{smallmatrix} - \\ \% \end{smallmatrix} \right]$	Discount %- -0.09	
<b>TL</b>	Cash 0.81 GBP	

- the procedure for applying a surcharge is similar, only in place of the key  $\left[ \begin{smallmatrix} - \\ \% \end{smallmatrix} \right]$  (PERCENT DISCOUNT) we press  $\left[ \begin{smallmatrix} + \\ \% \end{smallmatrix} \right]$  (PERCENT SURCHARGE).

**Procedure for manually entering a percent discount:** (conditions: programmed limits in the P-mode for surcharges and discounts, see the chapter „Programming the cash register - Surcharges and discounts“). We want to apply a 5% discount on Encian cheese (if a surcharge or discount is more than the limit for manual entry, an error message is shown):

Sequence of steps	Display	Receipt
<b>FORM 1</b> <b>PLU</b>	1*Encian cheese 0.90	Encian cheese 1 x 0.90 =-0.90 A
<b>5</b> <b>-€ %-</b>	Discount %- -0.05	Discount 5.00% -0.05 A
<b>TL TOTAL</b>	Cash 0.85 GBP	..... Total GBP 0.85 Cash GBP 0.85 ..... VAT rate Netto VAT Taxable A 20.00% 0.71 0.14 0.85 Total 0.71 0.14 0.85

• the procedure for applying a surcharge is similar, only in place of the key **[-€ %-** (PERCENT DISCOUNT) we press **[+€ %+** (PERCENT SURCHARGE).

### Percent surcharge/discount on a subtotal

**Procedure:** If all items in a single transaction (purchase) are subject to the same discount or surcharge, it is possible to register the discount or surcharge at one time for the entire transaction (purchase). Once the entire sale has been registered (all items), press **[ST SUBTOTAL]** and then apply the programmed surcharge or discount or to do so by manual entry.

**Example:** for discretionary items sold with a total price, for example, of 23.00 GBP we apply a programmed 10% discount:

Sequence of steps	Display	Receipt
items sold		
<b>ST SUBTOTAL</b>	Subtotal 23.00 GBP	Subtotal 23.00
<b>-€ %-</b>	Discount %- -2.30	ST discount 10.00% -2.30
<b>TL TOTAL</b>	Cash 20.70 GBP	..... Total GBP 20.70 Cash GBP 20.70

• the procedure for applying a surcharge is similar, only in place of the key **[-€ %-** (PERCENT DISCOUNT) we press **[+€ %+** (PERCENT SURCHARGE).

**Procedure for manually entering a discount:** we use the previous example but with a manually entered 4% discount.

Sequence of steps	Display	Receipt
items sold		
<b>ST SUBTOTAL</b>	Subtotal 23.00 GBP	Subtotal 23.00
<b>SH 4</b> <b>-€ %-</b>	Discount %- -0.92	ST discount 4.00% -0.92
<b>TL TOTAL</b>	Cash 22.08 GBP	..... Total GBP 22.08 Cash GBP 22.08

• the procedure for applying a surcharge is similar, only in place of the key **[-€ %-** (PERCENT DISCOUNT) we press **[+€ %+** (PERCENT SURCHARGE).

## Value surcharges and value discounts

The cash register allows for the application of a value surcharge or discount on the most recently registered item or on all the items sold. The size of the value surcharge or discount entered cannot be greater than the value of the item or the group of items to which the surcharge or discount applies.

Entering a value surcharge/discount is conditioned on setting a limit for the percentage of surcharge/discount. If the limit for a percentage surcharge/discount is set to a value of 0, it is not possible to enter a value surcharge/discount. If the value is not zeroed out, a value surcharge/discount can be entered.

**Procedure for entering a value discount on a subtotal:** We will use the previous example, but with a manually entered value discount of 10,00 GBP.

Sequence of steps	Display	Receipt
items sold		
<b>ST</b> SUBTOTAL	Subtotal 25.00 GBP	Subtotal 25.00 ST discount -10.00
POS 1 0 . 0 0 SHIFT -€ %-	Discount - -10.00	..... Total GBP 15.00 Cash GBP 15.00
<b>TL</b> TOTAL	Cash 15.00 GBP	

• the procedure for applying a value surcharge on a subtotal is similar, only in place of the keys **SHIFT** **-€ %-** we press **SHIFT** **+€ %+**.

**Procedure for entering a value discount on a single item:** a discount on Encian cheese worth 0.50 GBP.

Sequence of steps	Display	Receipt
POS 1 <b>PLU</b>	1*Encian cheese 0.90	
SHIFT 0 . 5 0 SHIFT -€ %-	Discount - -0.50	Encian cheese 0.90 A Discount -0.50 A
<b>TL</b> TOTAL	Cash 0.40 GBP	

• the procedure for applying a value surcharge on a subtotal is similar, only in place of the keys **SHIFT** **-€ %-** we press **SHIFT** **+€ %+**.


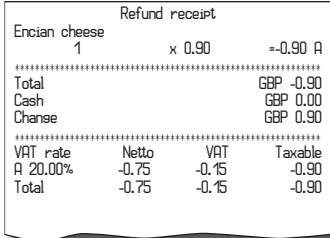






## REFUNDS

### Refund of a product

This function is used for reclamation or refunding of products for any reason whatsoever. This function can be used only as an independent operation. It cannot be used during an open (registered) sale.

In the cash register the „Refunds” menu is used for the purpose of refunds.



**Procedure:** Refunding the item Encian cheese with a programmed price (0.90 GBP).

Sequence of steps	Display	Receipt
R-mode	08-04-2013 R 12:00:00	
press 	REGISTERING Sale	 <pre> Refund receipt Encian cheese      x 0.90      =-0.90 A ----- Total              GBP -0.90 Cash              GBP 0.00 Change            GBP 0.90 ----- VAT rate          Netto    VAT    Taxable A 20.00%         -0.75  -0.15  -0.90 Total            -0.75  -0.15  -0.90                     </pre>
using arrows  or  go to the Refund menu	REGISTERING Refund	
confirm by pressing 	Item return	
 	1*Encian cheese -0.90	
confirm by pressing 	Change 0.90 GBP	



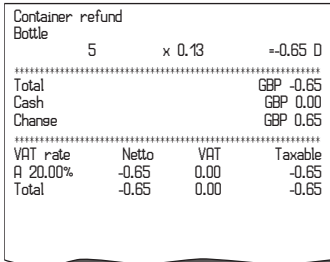






**Note:**

In the refund menu it is possible to use all the preceding methods for the sale of items (entering a price, multiplying, dividing amounts,...). It is not possible to use the operation of surcharges or discounts!

**Refund of packaging**

This function is used to return the containers (bottle, crate, barrel, ...) . In the cash register, the keys   (PACKAGE REFUND) are used for this purpose. The packaging refund function can be used only as an independent operation or in the course of a registered sale.

**Procedure:** For refunding five bottles programmed as PLU no. 20 with a programmed price (0.13 GBP). It is necessary that PLU no. 20 be programmed as a package refund (see the chapter „Programming the cash register - Product items“).

Sequence of steps	Display	Receipt
R-mode	08-08-2008 R 12:00:00	
press  	Container return	 <pre> Container refund Bottle            x 0.13      =-0.65 D ----- Total              GBP -0.65 Cash              GBP 0.00 Change            GBP 0.65 ----- VAT rate          Netto    VAT    Taxable A 20.00%         -0.65  0.00  -0.65 Total            -0.65  0.00  -0.65                     </pre>
 	5*	
  	5*Bottle -0.65	
complete the receipt by pressing 	Change 0.65 GBP	

With the refund of a package it is possible to use all preceding methods of registering items (entering of a price, multiplication, division of amounts, ...). However, it is not possible to use the operation for surcharges or discounts!

## DPT REGISTRATION

To get better information about revenue of particular items, split the articles into departments (article groups). The "department" means articles grouped in the same category (such as dairy products, pastry, alcohol etc.), or of the same tax level (VAT 16%, TAX 10% etc.). The Euro-150TX Flexy cash register enables the use of a maximum of thirty departments.

DPT registration is finished by pressing the proper department key (DPT1) \_ (DPT9). After pressing a department key, the registered amount, the corresponding tax level, the maximum registration amount, a pre-programmed price and others parameters are assigned to the revenue of the department. The sale informations are stored in the ECR memory and used for department reports.

Numeric keys (0) (9) (for price) and department keys (DPT1) \_ (DPT9) are used for registration (see keyboard picture). key (DPT1) (DPT9)....). With using (SHIFT) button you can use next DPTs (DPT10 - DPT18)

### Basic DPT registration

**Example:** A customer buys Encian cheese with a price of 0.90 and Butter with a price of 1.04:

Sequence of steps	Operator display	Receipt
DPT 1	1*Encian cheese 0.90	
DPT 9	1*Butter 1.04	
ST SUBTOTAL	Subtotal 1.94	
TL TOTAL	Cash 1.94 GBP	

### Multiplication in DPT registration

**Example:** A customer buys 12 units of Encian cheese (DPT no. 1) with the programmed price of 0.90 GBP.

Sequence of steps	Operator display	Receipt
POK 1, TUV 2, / *	12*	
DPT 1	12*Encian cheese 10.80	

### DPT registration using a price not programmed

The cash register can be programmed such that for registering with DPTs it is possible to use a price already programmed in or one entered via the keyboard. A customer gets a special price, but the given DPT already has a price programmed in. In the following example, DPT no. 1 has a programmed price of 1.00, but the sale price is 0.95 GBP.

Sequence of steps	Operator display	Receipt												
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <span>ADJ* 0</span> <span>+/-(B)</span> <span>DEC 9</span> <span>JEL 5</span> </div>	Price 0.95	<div style="border: 1px solid black; padding: 5px;">                     Encian cheese 1 x 0.95 =-0.95 A                      .....</div> <div style="border: 1px solid black; padding: 5px;">                     Total GBP 0.95 Cash GBP 0.95                      .....</div> <div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>VAT rate</td> <td>Netto</td> <td>VAT</td> <td>Taxable</td> </tr> <tr> <td>A 20.00%</td> <td>0.79</td> <td>0.16</td> <td>0.95</td> </tr> <tr> <td>Total</td> <td>0.79</td> <td>0.16</td> <td>0.95</td> </tr> </table> </div>	VAT rate	Netto	VAT	Taxable	A 20.00%	0.79	0.16	0.95	Total	0.79	0.16	0.95
VAT rate	Netto		VAT	Taxable										
A 20.00%	0.79	0.16	0.95											
Total	0.79	0.16	0.95											
<div style="border: 1px solid black; padding: 5px; display: inline-block;">DPT 1</div>	1*Encian cheese 0.95													

### Multiplication in DPT registration using a price not programmed

**Example:** A customer buys 12 packages of Encian cheese (DPT no. 1 with a price of 0.90 GBP). With this number of units, he gets a special sale price of 0.83 GBP entered at the cash register. (You can multiply a unit price also by fractional numbers: 1.5; 0.125; etc.). The multiplier with the decimal part is used for direct sale of weighed goods (meat, vegetables, salads, and the like), where the unit price is determined (for example, per 1 kg, per 100g, etc.).

Sequence of steps	Operator display	Receipt												
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <span>POBS 1</span> <span>TUV 2</span> <span>/</span> </div>	12*	<div style="border: 1px solid black; padding: 5px;">                     Encian cheese 12 x 0.83 =-9.96 A                      .....</div> <div style="border: 1px solid black; padding: 5px;">                     Total EUR 9.96 Cash EUR 9.96                      .....</div> <div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>VAT rate</td> <td>Netto</td> <td>VAT</td> <td>Taxable</td> </tr> <tr> <td>A 20.00%</td> <td>8.30</td> <td>1.66</td> <td>9.96</td> </tr> <tr> <td>Total</td> <td>8.30</td> <td>1.66</td> <td>9.96</td> </tr> </table> </div>	VAT rate	Netto	VAT	Taxable	A 20.00%	8.30	1.66	9.96	Total	8.30	1.66	9.96
VAT rate	Netto		VAT	Taxable										
A 20.00%	8.30	1.66	9.96											
Total	8.30	1.66	9.96											
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <span>ADJ* 0</span> <span>+/-(B)</span> <span>ABC 8</span> <span>WXYZ 3</span> </div>	Price 0.83													
<div style="border: 1px solid black; padding: 5px; display: inline-block;">DPT 1</div>	12*Encian cheese 9.96													

### Double multiplication in DPT registering

**Example:** The price programmed in for a square meter of carpet is 1.06 GBP (sample DPT no. 1 – Carpet). The customer purchases 3x5 square meters.

Sequence of steps	Display	Receipt												
<div style="display: flex; justify-content: space-around; border: 1px solid black; padding: 2px;"> <span>WXYZ 3</span> <span>/</span> <span>*</span> <span>JEL 5</span> <span>/</span> <span>*</span> </div>	3*5*	<div style="border: 1px solid black; padding: 5px;">                     Carpet 3 x 5 m2 x 1.06 =-15.90 A                      .....</div> <div style="border: 1px solid black; padding: 5px;">                     Total GBP 15.90 Cash GBP 15.90                      .....</div> <div style="border: 1px solid black; padding: 5px;"> <table style="width: 100%; border-collapse: collapse;"> <tr> <td>VAT rate</td> <td>Netto</td> <td>VAT</td> <td>Taxable</td> </tr> <tr> <td>A 20.00%</td> <td>13.25</td> <td>2.65</td> <td>15.90</td> </tr> <tr> <td>Total</td> <td>13.25</td> <td>2.65</td> <td>15.90</td> </tr> </table> </div>	VAT rate	Netto	VAT	Taxable	A 20.00%	13.25	2.65	15.90	Total	13.25	2.65	15.90
VAT rate	Netto		VAT	Taxable										
A 20.00%	13.25	2.65	15.90											
Total	13.25	2.65	15.90											
<div style="border: 1px solid black; padding: 5px; display: inline-block;">DPT 1</div>	3*5m2* Carpet 15.90													

It is possible to also use manual price entry; the process was presented in the chapter „DPT registration with a price not programmed“.




## Fractional DPT registration

**Example:** A price is set for package containing 5 units (e.g. a box of light bulbs) at a price of 1.99 GBP. The customer buys only 3 of them. Procedure:


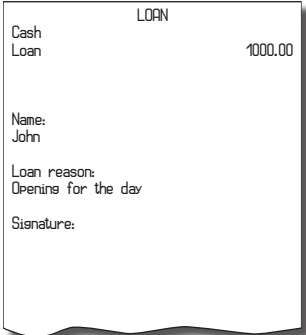













Sequence of steps	Display	Receipt
WAYS 3 SHIFT / * JBL 5 / *	3.5*	light bulb 40W 3 / 5 x 1.99 =1.19 A ===== Total GBP 1.19 Cash GBP 1.19 ===== VAT rate Netto VAT Taxable A 20.00% 0.99 0.20 1.19 Total 0.99 0.20 1.19
DPT 1	3.5* light bulb 40W 1.19	

It is possible to also use manual price entry; the process was presented in the chapter „DPT registration with a price not programmed“.

## DEPOSITING CASH


A deposit is used for the recording of non-business payments (deposits). An example is the daily adding of cash to the cash register drawer. The cash register allows the depositor to print proof of the cash deposit. At your request, the document can even include the name of the depositor and the reason for the deposit. A name and a reason can be entered up to 42 characters of normal width or 21 double-width characters for Euro-150TE Flexy cash register. For Euro-150TX Flexy it is 28 characters of normal width or 14 double-width characters. There is a place assigned for the signature of the depositor on the printed document. Entering the name of the depositor and the reason for the deposit is not mandatory. If you do not want to enter this data, simply end the deposit operation by pressing  TOTAL two times.

**Procedure:** Deposit 1000.00 GBP in cash:

















Sequence of steps	Display	Receipt
R-mode	08-04-2013 R 12:00:00	
press 	REGISTERING Sale	
use arrows  or  to go to the Cash In menu	REGISTERING Cash In	
confirm by pressing 	Value :	
       	Value : 1000.00	
enter the cashier's name, confirm by pressing 	Name : John	
enter the reason for the deposit, confirm with 	Reason : opening for the day	

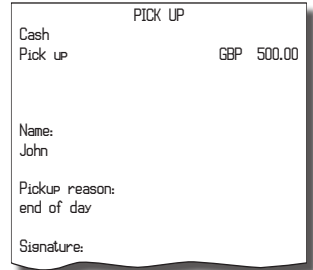
The receipt prints out; in the lower part there is a place where the cashier can sign the document.

## WITHDRAWING CASH OR CHECKS

The withdrawal of cash or checks from the cash register drawer not associated with a sale is recorded using the „Cash/Check out“ operation. We use this function, for example, when delivering revenue when changing cashiers or to decreasing the amount of money in the drawer. The cash register allows for the printing of a document on the withdrawing of cash. The document can even include the name of the person withdrawing and the reason for it. For Euro-150TE Flexy a name and a reason can be entered up to 42 characters or 21 double-sized characters. For Euro-150TX Flexy a name and a reason can be entered up to 28 characters or 14 double-sized characters. There is a place assigned for the signature of the person making the withdrawal on the printed document. Entering the name of the person withdrawing and the reason for the withdrawal is not mandatory. If you do not wish to enter this data, simply end the withdrawal operation by pressing  TOTAL two times.



**Example:** Withdraw 500.00 GBP (primary currency in cash):

Sequence of steps	Display	Receipt
R-mode	08-04-2013 R 12:00:00	
press 	REGISTERING Sale	
use arrows  or  to go to the Cash/Check out menu	REGISTERING Cash/Check out	
confirm by pressing  for the withdrawal of checks, with the arrows  or  go to the Check - main curr.	Cash/Check out Cash-main curr.	
confirm by pressing 	Value:	
      	Value: 500.00	
enter the cashier's name, confirm by pressing 	Name: John	
enter the reason for the withdrawal, confirm with 	Reason: end of day	



**TIP:** If you wish to take out the entire contents of the drawer (for example, a withdrawal in the primary currency) it is imperative to enter 0.00 as the value of the withdrawal.

## ENTERING A REFERENCE NUMBER

With certain transactions it is necessary for monitoring reasons to print out a receipt with a reference number. A reference number can be entered manually using the numerical keys and then by pressing the key combination  , or by using the barcode scanner to read a barcode. A reference number can contain a maximum of 18 numbers, but in the case of using a barcode as a reference number, this code must begin with number 22 followed by the other 16 numbers indicating the unique reference number.

Using a reference number it is possible to enter onto the receipt, for example, a customer ID number. This number can be entered prior to the start of purchasing or during the purchase.

After entering a reference number the display will show in the upper line the programmed text (the default value is "Reference number") and the lower line shows the entered reference number. The cash register then expects another input from the cashier in order to continue registration.

A reference number is printed out on the receipt in the "Informations" section..

## REGISTRATION WITH A SECONDARY CURRENCY

Before you begin reading the chapter, reach the chapter "Concepts defining payment in a foreign currency". The Euro-150TE/TX Flexy cash register is capable of working with a primary and a foreign (secondary) currency.

Payment in a foreign currency can be done as follows:

- in the case that it involves the first payment of a still open sale, it is necessary to press the **ST** SUBTOTAL key, thus displaying the value of the purchase in the primary currency. For selecting a foreign currency, it is necessary to press the **PRICE** key and the value of the purchase is then calculated in the value of the foreign currency. The cash register then expects completion of the purchase by payment in cash without entering a sum, or entering the sum in a foreign currency received from the customer and confirming it by pressing the **TOTAL** key for a payment in cash.
- if a partial payment has already been made it is necessary for selecting the foreign currency to press the **PRICE** key; this will cause the unpaid portion to be calculated in the foreign currency. Further, we proceed the same as in the previous case.

If the value of the payment in the foreign currency exceeds the amount requested by the cash register the cash register will calculate the payout in the primary currency and it is then necessary to return this portion to the customer to complete the purchase.

**Note:** Due to the possibilities for setting a different number of decimal places for different currencies (e.g. for GBP displaying and programming of prices with 3 or 2 decimal places, or for another currency displaying and programming of prices for 2 decimal places) we recommend using the decimal point when entering the value into the cash register. For example, for entering 23.00, press the keys 23.; for entering 38,500, it's enough to press 38.5 and the cash register will automatically fill in the decimal places according to the setting flag for the given currency for displaying and programming of prices.

## **JOURNAL**

### **Text journal**

The cash register preserves a control ribbon in the cash register memory in electronic form. The text journal has a capacity of 14,500 lines (including empty lines), which with receipts having 3 items in 3 different tax levels represents approximately 450 receipts.

For the purposes of archiving of control records it is necessary to use the medium which meets the requirements of law. The Elcom company recommends using a DVD of media type GOLD (e.g. DVD-R Archival Grade).

The Euro-150TE/TX Flexy cash register allows the transfer of the journal to a PC using the functions of a communications library, or exporting onto a memory card. The cash register allows for the setting of an automatic export of the electronic journal onto an SD card simultaneously with the running of a daily report (P-mode - Journal - Settings - Autoexport jrn.). With this setting an automatic export of the journal to a memory card is done and the cash register memory is deleted (under the assumption that no error occurred during exporting).

The text journal cannot be cleared if no successful export operation or downloading to a PC has taken place. In the course of registering the cashier is informed when the memory capacity for the journal is nearly full. A report displays upon switching on the cash register after exceeding 80% of capacity and after surpassing 95%. In this case we recommend downloading (exporting) the text journal, then clearing it and continuing with registration. After completely filling the journal, the cash register does not allow the registration of a new receipt until the journal is cleared from the register through export or downloading to a PC.

### **Binary journal**

(a copy of numerical data from cash register documents,.)

It serves for the storage of sales information and its further processing and evaluation through a PC. The possibilities for work with the binary journal are: export to an SD card, clearing, ascertaining size. The cash register controls the filling of the journal and after it reaches 80% of capacity it makes the cashier aware of this status.

For the purpose of archiving of control records it is necessary to use a medium which meets the criteria demanded by law. The Elcom company recommends using DVD media of the type GOLD (e.g. DVD-R Archival Grade).

The binary journal is composed of documents. Each document is composed of entries, among which header and an trailer have special purpose - they mark borders of the document.

Individual entries are composed of values of their elements which are divided by a TAB (0x09). Each entry is completed at the end of the line by NL (0x0A).

### Description of entries in the binary journal:

DocumentHeader – start of document						
DOCHDR	dt	st	zzzz	i	mcurr	vd
	dt:					Document Type – possible values
						FISREC - fiscal receipt of registration mode (sales, refund)
						NONFISC - registration mode (loan, cah out) - print in the programming mode and print service reports
						REPORTX - X report
						REPORTZ - Z report
						TRAINREC - training mode (sales, refund)
	st:					Document Subtype – possible values
						SALES - sales - Fiscal receipt of registration mode - Non fiscal receipt of training mode
						REFUND – refund - Fiscal receipt of registration mode - Non fiscal receipt of training mode
						LOAN – Cash in (Non fiscal receipt of registration mode)
						CASHOUT – Cash out (Non fiscal receipt registration mode)
						FINANCD – Daily fianancial report
						FINANCM - Monthly financial report
						CASHIERD - Monthly financial report
						CASHIERM - Monthly report of cashiers
						DPTD - Daily report of departments
						DPTM - Monthly report of departments
						PLU - Reports of item
						STOCK - PLU stock report
	st:					DRAWERD - Daily report of drawer
						DRAWERM - Monthly report od drawer
						MAINTEN - print in the programming mode and print service reports (non fiscal receipt)

zzzz – number of report

i – flag of set currency:

0 – without tax

1 – with tax

mcurr – maximum three-letter abbreviation of the main currency

vd – version of document binary journal like X.Y

X-main version of number clearly indicates the specific of cash register (2 - Mini E50 TE Mini EN)

*Y-side version of number indicates the contents of the binary log*

<b>SoldItem – item sold, returned, or voided</b>	
<b>SI</b>	it id dbID text uuuu pppp qqqq unit i C D R L V
it	- type of sales item PLU – item DPT – department
id:	Position of sold item in the purchase
dbID	Position of sold item in the database of cash register
text:	PLU Name
uuuu:	Unit Price
pppp:	Price
qqqq:	Amount (rounded to 3 decimal places)
unit:	Name of unit
i:	tax Identifier – possible value A/B/C/...
C:*	Container item –the presence of this value depends on the type of item being purchased
D:*	Descriptor item – the presence of this value depends on the type of item being purchased
R:*	Return operation – the presence of this value depends on the type of operation
L:*	Linked item –the presence of this value indicates the linking of a given item to a main one (linking) item.
V:*	Void operation – the presence of this value depends on the type of operation. If the value is present, then the value “id” identifies the item which was voided

<b>ItemAdjustment –an entry modifying the price of another entry</b>	
<b>ADJI</b>	id adjt pppp aaaa V
id:	ID of sold items in the purchase whose price is to be modified
adjt:	AdjustmentType – possible values P + : Percentage discount P - : Percentage surcharge V + : Value discount V - : Value surcharge
pppp:	size of the percentage modification for P+ and P- if it is not a modification of the price by the percentage discount / surcharge (value discount / surcharge) value is zero
aaaa:	value of modification: if is a modification of the price by value discount / surcharge if is a modification of the price by percentage discount / surcharge – it is converted to value.
V: *	Void operation – the presence of this value depends on the type of operation

*\* - Flag is stored only when the situation is occurred*

<b>Subtotal</b>	
<b>SBTL</b>	aaaa

	aaaa	value of subtotal
--	------	-------------------

**Void of Receipt – the entry indicates the voiding of a purchase**

<b>RCPV</b>	this item is followed by RCPDT and RCPID
-------------	--

**SubtotalAdjustment – entry for modifying the value of a subtotal**

<b>ADJSBTL</b>	id adjt pppp ssss aaaa V
id:	ID of the sold items in the purchase
adjt:	AdjustmentType – possible values P+ /P- /V+ /V-
pppp:	size of the percentage modification
sss:	value of the subtotal which is modified (without including refunded packaging and linked PLUs)
aaaa:	value of the modification
V:	Void operation – the presence of this value depends on the type of operation. If the value is present, then the value "id" identifies the item which was voided

**TenderItem – entry for payment**

<b>TNDR</b>	tttt cccc aaaa ffff ssss rrrr nnnn
tttt:	TenderType – possible values CASH/CHECK /CARD
cccc:	CurrencyType – possible values CU RN/CU RF for national/foreign currency
aaaa:	Amount – value of payment in national currency
ffff:	Foreign –value of payment in foreign currency if payment is in foreign currency
rrrr:	exchange rate for foreign currency if this is a payment in foreign currency if is payment in the foreign currency otherwise the value is zero
nnnn:	number of card if is payment of card otherwise the value is empty

**TotalItem – summary of a purchase**

<b>TTL</b>	gggg tttt rrrr
gggg:	Gross – total value of purchase with tax
tttt:	Tax – total value of tax
rrrr:	Rounding – value for rounding of a purchase price. The value can also be negative

**TaxItem – entry for the tax level used in the purchase**

<b>TAXI</b>	tl rrrr gggg nnnn tttt ff
tl:	TaxLevel – possible values A/B/C/...
rrrr:	taxRate – rate of taxes in percentages
gggg:	value of the purchase with tax for the tax level

	nnnn:	value without of taxes at the tax level
	tttt:	value of taxes at the tax level
	ff:	flag of the type tax level T - taaxble F- non taxable

Reference Number		
<b>REFNUM</b>	retx	renu
	retx:	functional text of reference number (possible to change in programming functional texts)
	renu:	reference number of receipt (may include characters)

ReceiptDateTime - Date and time of a receipt		
<b>RCPDT</b>	DD.MM.YYYY	HH:MM:SS
	DD.MM.YYYY	End date of the document in the format day.month.year
	HH:MM:SS	Time of end of document in the format hour: minute: second

ReceiptID - identification of a receipt			
<b>RCPID</b>	nn	rrrr	oooo
	nn:	ECR number (electronic cash register number)	
	rrrr:	Receipt Number – zero for LOAN and LOANT - Separate numbering receipt - Document with a choice of cash and subtype = mainten contain a blank value	
	oooo:	Name of cashier	

DocumentTrailer – end of the document	
DOCTR	

LoanItem – deposit of means of payment into cash drawer						
<b>LOANPIC</b>	tttt	cccc	aaaa	ffff	rrrr	lf
	tttt:	CASH: Cash CHECK: Check CARD: Credit				
	cccc:	abbreviation currency				
	aaaa:	value cash in / cash out in the main currency (if the cash out is in a foreign currency, the value is converted to the main menu by the exchange rate)				
	ffff:	value of cash out in a foreign currency (if the cash out in a foreign currency - otherwise the value is zero)				
	rrrr:	Foreign currency exchange rate (if the cash out is in the foreign currency - otherwise the value is zero)				



	lt:	type pf operation: L: Cash in P: Cash out
--	-----	---

**Sample of a document from the binary journal in text form:****DOCHDR SALE**

SI	1	bread	10.00	60.00	2.000	*	3.000	19.00	A				
SI	2	dessert	20.00	240.00	3.000	*	4.000	10.00	B				
SI	3	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			
SI	4	btl. water	30.00	30.00	1.000	*	1.000	0.00	G				
SI	5	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			
ADJI	4	P-	10.00	3.00									
SI	7	btl. water	30.00	30.00	1.000	*	1.000	0.00	G				
SI	8	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			
ADJI	7	P-	10.00	3.00									
ADJI	7	P-	10.00	3.00	V								
SI	10	btl. water	30.00	30.00	1.000	*	1.000	0.00	G				
SI	11	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			
SI	12	btl. water	30.00	30.00	1.000	*	1.000	0.00	G				
SI	13	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			
ADJI	12	P+	10.00	3.00									
SI	12	btl. water	30.00	30.00	1.000	*	1.000	0.00	G				V
SI	13	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C			V
ADJI	12	P+	10.00	3.00	V								
SI	15	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C	R		
SI	15	bottle	4.00	4.00	1.000	*	1.000	0.00	G	C	R		V
SI	16	bread	10.00	10.00	1.000	*	1.000	19.00	A				
ADJI	16	P-	10.00	1.00									
ADJI	16	P-	10.00	1.00	V								
ADJSBTL	18	P+	10.00	397.00	39.70								
ADJSBTL	19	P+	10.00	436.70	43.70								
ADJSBTL	19	P+	10.00	436.70	43.70	V							
TNDR	CURN	CASH	452.50	0.00	0.0000								
TTL	452.50	36.30	-0.20										
TAXI	A	19.00	77.00	12.30									
TAXI	B	10.00	263.90	24.00									
TAXI	G	0.00	111.60	0.00									
RCPID	01	0056	CASHIER.01										

DOCTR																				
-------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

## **PC ONLINE MODE**

### **PC ONLINE MODE: Data is transmitted from the PC to the cash register**

The programme equipment of the cash register allows the Euro-150TE/TX Flexy to be used as a printer. With this function the cash register replaces a POS printer. This means that the cash register prints out a receipt on the basis of a document in the programs in a PC. Such use of the cash register is suitable everywhere, where a simple cash register is not enough for work with a large number of items and the frequency of sales is too high. In order for you to use the register in PC ONLINE mode it is necessary that your program equipment in the PC supported communication with the Euro-150TE/TX Flexy cash register. Your software supplier can inform you about whether your PC programs support PC ONLINE communication with the Euro-150TE/TX Flexy cash register.

### **Description of work in PC ONLINE mode:**

Connect the cash register using a communication cable (USB). The cash register is prepared for communication with a computer (PC ONLINE mode) when no receipt has been registered (selling is not blocked). From the computer it is possible to transmit information on PLU sales, PLU returns, surcharges or discounts for an item or a subtotal, regarding the voiding of an item or an entire purchase, a payment order, or an instruction for a subtotal, a command for opening the cash drawer, a command for entering a reference number, a command for payment of an invoice or of a chargeback.

# ***REPORTS***

## **REPORT MODES**

There are two modes for printing reports: "X" mode and "Z" mode.

An „X" mode report is printed without clearing the contents of the memory. It is used for generating an overview of sales during the day, when switching cashiers and the like. An „X" mode report may be printed out at different times during the day.

In "Z" mode a report is printed out and clears the content of the register's memory of the sales data printed in the report. A "Z" report is usually carried out once a day after finalizing the daily sales.

Reports are always printed in the primary currency..

## **GENERATED REPORTS**

**Table 5.1 - An overview of reports in the „X" and „Z" modes**

Report	„X" mode	„Z" mode
Financial report - Daily	•	•
Financial report - Monthly	•	•
Cashiers report - Daily	•	•
Cashiers report - Monthly	•	•
DPT report - Daily	•	•
DPT report - Monthly	•	•
PLU report	•	•
Stock report	•	
Flash report (daily turnover)	•	
Drawer report - Daily	•	•
Drawer report - Monthly	•	•
Combine report - Daily		•
Combine report - Monthly		•

## **REPORT CONTENTS**

### **Financial report**

Daily report is a printed output containing data on daily summaries of financial operations relating to the sale of goods or the provision of services.

Performing this type of report causes the zeroing out of data from the operational memory of the cash register

Financial report contains:

- 1) The values of cumulated sums (grand totals) GT1, GT2 and GT3
- 2) Taxables sums and taxes in all taxation categories
- 3) Overall sales value
- 4) Overall sales without tax
- 5) Value of total tax
- 6) Number of receipts
- 7) Number and value of voids
- 8) Number and value of discounts
- 9) Number and value of voided discounts
- 10) Number and value of surcharges
- 11) Number and value of voided surcharges

- 12) Number and value of refunds
- 13) Number and value of voided refunds
- 14) Number and value of returnable packs refunds
- 15) Number and value of voided returnable packs refunds
- 16) Number and value of subtotal discounts
- 17) Number and value of voided subtotal discounts
- 18) Number and value of subtotal surcharges
- 19) Number and value of voided subtotal surcharges
- 20) Number and value of voided receipts
- 21) Number and value of deposits in cash
- 22) Number and value of withdrawals of cash
- 23) Number and value of received by cash payment
- 24) Number and value of received by check payment
- 25) Number and value of received by credit card payment
- 26) Number and value of differences in rounding

## Daily financial X-report

A daily (overall) X-report includes:

- the number of all daily (overall) Z-reports already performed
- financial report

## Monthly financial X-report

A monthly (periodic) X-report collects financial data from the daily (overall) Z-reports accumulated over a time period. This report allows the printing out of financial data accumulated from the last monthly (periodic) Z-report. Does not clear the register memory.

## Daily financial Z-report

A daily (overall) Z-report contains:

- sequential number of the performed daily (overall) Z-report
- financial report

After printing, the contents of the memory in a daily (overall) Z-report are added to the contents of the monthly (periodic) report and then zeroed out.

## Monthly financial Z-report

A monthly (periodic) Z-report gathers information from daily (overall) Z-reports over a longer time period. By printing out the contents of the memory monthly (periodically) the Z-report is cleared.

Inactive categories (that is with zero sales information) are not printed out (with exception of tax information)

## Daily turnover

Menu item X-mode -> Flash report invokes a simple, fast report which shows the daily turnover on the cash register display.

## X-report for cashiers

A daily/monthly Z-report for cashiers prints out:

- name of the cashier,
- the number and value of the sums of positive and negative sales operations and refunded goods since the last Z-report/monthly report for cashiers,
- total value of sales.

A monthly X-report is updated up to the time a Z-report is run for the cashiers.

## Z - report for cashiers

A daily/monthly X-report for cashiers prints out:

- name of the cashier,
- the number and value of the sums of positive and negative sales operations and refunded goods since the last Z-report/monthly report for cashiers,
- total value of sales for the day/month.

After printing out of a daily report for cashiers the contents of the memory are added to the contents of the monthly report for cashiers and subsequently zeroed out.

After printing out of a monthly Z - report for cashiers the content of the monthly report for cashiers is zeroed out.

## DPT X-report

A daily/monthly X-report for cashiers prints out:

- DPT name,
- number and value of sold DPT,
- the sum of the values of all DPT sold for the day/month..

## DPT Z - report

A daily/monthly DPT report prints out:




- DPT name,
- number and value of sold DPT,
- the sum of the values of all DPT sold for the day/month.

After printing out of a daily DPT report the contents of the memory are added to the contents of the monthly DPT report and subsequently zeroed out.

After printing out of a monthly DPT Z - report the content of the monthly DPT report is zeroed out.

## PLU X-report

Procedure when printing a PLU X-report:



- selection of lower limit, selection of PLU number, from which the PLU report should print out,
- confirmation by pressing  TOTAL,
- selection of upper limit, selection of PLU number, to which the PLU report should print out,
- confirmation by pressing  TOTAL,
- "Print rec. num.?" - when setting the print numbers of a record "yes" the PLU number is also printed out for each PLU,
- confirmation by pressing  TOTAL.

A PLU X-report prints out:



- PLU number (as long as "Print rec. num.?" was set to "yes"),
- PLU name,
- the number and value of the PLUs sold,
- the sum of the values of all PLU sold.

## PLU Z - report

Procedure when printing a PLU Z-report:

- selection of lower limit, selection of PLU number from which the PLU report should print out,
- confirmation by pressing  TOTAL,
- selection of upper limit, selection of PLU number, to which the PLU report should print out,
- confirmation by pressing  TOTAL,
- "Print report?" - in this step with the selection to print a report - "yes" prints the PLU report on a receipt within the selected range. If the print report is set to "no", a PLU report is not printed on the receipt but

the report is only cleared from memory after which it is possible to newly start the periodic tracking of PLU sales. If the setting is on "no", steps 7) and 8) do not take place,

- confirmation by pressing  TOTAL ,
- "Print rec. num.?" - when setting the print numbers of a record "yes" the PLU number is also printed out for each PLU,
- confirmation by pressing  TOTAL.




A PLU Z-report prints out:

- PLU number (so long as "Print rec. num.?" was set to "yes"),
- PLU name,
- the number and value of the PLUs sold,
- the sum of the values of all PLU sold.

After printing of a PLU Z-report, data from the counters are zeroed out.

## Stock X-report

Procedure when printing an inventory X-report

- selection of lower limit, selection of PLU number from which the PLU report should print out,
- confirmation by pressing  TOTAL,
- selection of upper limit, selection of PLU number, to which the PLU report should print out,
- confirmation by pressing  TOTAL,
- "Print rec. num.?" - when setting the print numbers of a record "yes" the PLU number is also printed out for each PLU,
- confirmation by pressing  TOTAL.

An inventory X-report prints out:

- PLU numbers (so long as "Print rec. num.?" was set to "yes"),
- PLU name and inventory status

## Cash drawer X-report

A cash drawer report prints out:

- the number of payments in cash and their value,
- the number and sum of payouts in cash (refunded goods),
- the number of payments by check and their value,
- the number and sum of payouts by check (refunded goods)
- the number and sum of payouts by check (refunded goods)
- the number of payments by credit card and their value,
- the number and sum of payouts by credit card (refunded goods)
- the number and sum of payouts by credit card (refunded goods)
- the number of payments in cash in a foreign currency and their value,
- the number of operations of depositing cash and their value,
- the number of operations of withdrawing cash and their value,
- the number of operations of withdrawing checks and their value
- the number of operations of withdrawing cash in a foreign currency
- remaining cash in the cash drawer,
- the value of checks in the cash drawer,
- the total sum paid by credit card,
- the value of foreign currency in the cash drawer.

## Cash drawer Z - report - (Daily / Monthly)

A cash drawer report prints out:

- the number of payments in cash and their value,
- the number and sum of payouts in cash (refunded goods),
- the number of payments by check and their value,
- the number of payments by credit card and their value,
- the number of payments in cash in a foreign currency and their value,
- the number of operations of depositing cash and their value,
- the number of operations of withdrawing cash and their value,
- the number of operations of withdrawing checks and their value
- the number of operations of withdrawing cash in a foreign currency
- remaining cash in the cash drawer,
- the value of checks in the cash drawer,
- the total sum paid by credit card,
- the value of foreign currency in the cash drawer.

After printing out of a cash drawer Z-report, information from counters are zeroed out, after which a periodic monitoring of cash in the drawer is possible.

## Combined Z - report - (Daily / Monthly)

A collective report allows for the defining of optional reports which we want to regularly run. We can define two independent reports, one for a daily purpose and the other for a monthly report.

Procedure when printing a daily collective report in the menu Z-mode -> Combine report -> Daily:

- choice of performance or configuration,
- confirmation of choice  TOTAL, with selection of configuration
- selection print daily report "yes" or "no",
- confirmation of choice  TOTAL,
- selection print cashiers report "yes" or "no",
- confirmation of choice  TOTAL,
- selection print DPT report "yes" or "no",
- confirmation of choice  TOTAL,
- selection print PLU report "yes" or "no",
- confirmation of choice  TOTAL,
- selection print cash drawer report "yes" or "no",
- confirmation of choice  TOTAL.

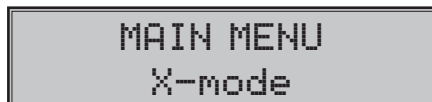
Procedure when printing a monthly collective report in the menu Z-mode -> Combine report -> Monthly:

- choice of performance or configuration,
  - confirmation of choice  TOTAL,
- \* with selection of configuration:
- selection print cashiers report "yes" or "no",
  - confirmation of choice  TOTAL,
  - selection print DPT report "yes" or "no",
  - confirmation of choice  TOTAL.

\*The description of individual reports is in the preceding section.

## HOW TO PRINT AN X-REPORT

Call up the Main Menu by pressing the MENU key, then using the arrows  or  select „X“ mode.





Enter the X-report menu by pressing **[TL]** TOTAL, where by using the **[←]** or **[→]** keys you can select which report you want to run. The report will be printed out after pressing the **[TL]** TOTAL key.

We can print out X-reports any number of times without influencing the values of the data stored in the cash register.

With the help of this type of report, you can get an overview of sales during the day. You can use these values, for example, to check the balance of cash in the drawer, follow the course of sales throughout the day, check sales with the changing of shifts or cashiers, etc.

## HOW TO PRINT OUT A Z-REPORT

Press the MENU button to enter the Main menu, then use the arrows **[←]** or **[→]** to select „Z“ mode.



You get into „Z“ reports by pressing the **[TL]** TOTAL key, where by using the keys **[←]** or **[→]** you can select the report you wish to run. The report will print out upon pressing the **[TL]** TOTAL key.

### Sample printout of an Daily X-report

```

ABC GROCERY
Shop: Hlavná 67
Námestie mládeže 3
080 01 Prešov
*****
+ W E L C O M E +
*****
VAT ID: SK20200123

***** X *****
Financial report
Daily
*****
Daily report count          1
GT1                          12.00
GT2                           8.00
GT3                          -4.00

VAT rate   Netto   VAT     Taxable
-----
A 20.00%   2.50   0.50     3.00
B 10.00%   0.00   0.00     0.00
C 0.00%    0.00   0.00     0.00
D Tax free  0.00   0.00     0.00
E -----
F -----
G -----

T total      2.50   0.50     3.00

Receipt count      5x
Refund            2x      -3.00
Loan              1x     100.00
Pick up           1x     50.00
Cash              5x      3.00
16-01-2011 14: 02      01  CASHIER.01
    
```

### Sample printout of a Daily Z-report

```

ABC GROCERY
Shop: Hlavná 67
Námestie mládeže 3
080 01 Prešov
*****
+ W E L C O M E +
*****
VAT ID: SK20200123

***** Z *****
Financial report
Daily
*****
Z daily report no.         2
GT1                          12.00
GT2                           8.00
GT3                          -4.00

VAT rate   Netto   VAT     Taxable
-----
A 20.00%   2.50   0.50     3.00
B 10.00%   0.00   0.00     0.00
C 0.00%    0.00   0.00     0.00
D Tax free  0.00   0.00     0.00
E -----
F -----
G -----

T total      2.50   0.50     3.00

Receipt count      5x
Refund            2x      -3.00
Loan              1x     100.00
Pick up           1x     50.00
Cash              5x      3.00
16-01-2011 14: 02      01  CASHIER.01
    
```

**Sample printout of an  
Monthly X-report**

ABC GROCERY  
 Shop: Hlavná 67  
 Námestie mládeže 3  
 080 01 Prešov  
 \*\*\*\*\*  
 + W E L C O M E +  
 \*\*\*\*\*  
 VAT ID: SK20200123

\*\*\*\*\* X \*\*\*\*\*  
 Financial report  
 Monthly

\*\*\*\*\*  
 Monthly report count 0  
 Daily report count 3  
 GT1 12.00  
 GT2 8.00  
 GT3 -4.00

VAT rate	Netto	VAT	Taxable
A 20.00%	2.50	0.50	3.00
B 10.00%	0.00	0.00	0.00
C 0.00%	0.00	0.00	0.00
D Tax free	0.00	0.00	0.00
E -----	----	----	----
F -----	----	----	----
G -----	----	----	----
<b>Total</b>	<b>2.50</b>	<b>0.50</b>	<b>3.00</b>

Receipt count 5x  
 Refund 2x -3.00  
 Loan 1x 100.00  
 Pick up 1x 50.00  
 Cash 5x 3.00  
 16-01-2011 14: 02 01 CASHIER.01

**Sample printout of a  
Monthly Z-report**

ABC GROCERY  
 Shop: Hlavná 67  
 Námestie mládeže 3  
 080 01 Prešov  
 \*\*\*\*\*  
 + W E L C O M E +  
 \*\*\*\*\*  
 VAT ID: SK20200123

\*\*\*\*\* Z \*\*\*\*\*  
 Financial report  
 Monthly

\*\*\*\*\*  
 Z monthly report no. 1  
 Daily report count 3  
 GT1 12.00  
 GT2 8.00  
 GT3 -4.00

VAT rate	Netto	VAT	Taxable
A 20.00%	2.50	0.50	3.00
B 10.00%	0.00	0.00	0.00
C 0.00%	0.00	0.00	0.00
D Tax free	0.00	0.00	0.00
E -----	----	----	----
F -----	----	----	----
G -----	----	----	----
<b>Total</b>	<b>2.50</b>	<b>0.50</b>	<b>3.00</b>

Receipt count 5x  
 Refund 2x -3.00  
 Loan 1x 100.00  
 Pick up 1x 50.00  
 Cash 5x 3.00  
 16-01-2011 14: 02 01 CASHIER.01

# ***OPTIONAL ACCESSORIES***

## Digital scales

The Euro-150TE/TX Flexy allows for the connection of digital electronic scales with an RS-232 interface. You can also use them without a connection to the cash register. We supply scales with official certification and on request with a connecting cable.

**Figure 6.1 - Digital scales**



Ask your authorized Euro-150TE/TX Flexy dealer about the supply and connection of an electronic scale..

## Barcode scanners

The Euro-150TE/TX Flexy cash register comes equipped with an interface for connecting a barcode scanner. If you decide to use a barcode scanner, this section offers some recommendations for how to choose one. In each case we recommend buying and connecting a scanner with the help of your local Euro-150TE/TX Flexy dealer.

Barcode scanner connects to the cash register via a built-in serial RS-232 interface. The barcode scanner must be equipped with the same interface. For a scanner connection, the cash register offers a single direction +5V adapter for the port COM1 (Port1 optional accessory); if you are using the COM2 (Port2) and COM3 (Port3) ports to connect the scanner, you must use an external power supply. Prior to connecting a scanner it is necessary to correctly program both the scanner and the cash register. We recommend using a scanner with its own power supply.

We recommend Metrologic scanners for working with the cash register. Ask your Euro-150TE/TX Flexy dealer for more information.

### MS-5145 Eclipse

A manual scanner with no holder, which scans upon the pressing of a trigger. The method of scanning is the LED 650 nm  $\pm$  5 nm, scanner speed is 72 lines/s, scanning distance is 140 mm and the minimal width of the bar is 0.102 mm. RS-232 interface.

**Figure 6.2 - MS-5145 Eclipse scanner**



### Metrologic Orbit MS-7120

An omnidirectional, very fast, laser barcode scanner. The scanner uses an LED 650 nm  $\pm$  5 nm for scanning, the speed of the omnidirectional scanning is 1200 lines/s (20 scanning lines), scanning grid of 5 x 4 parallel lines, scanning distance is 203 mm and the minimum bar width of 0.13 mm.

**Figure 6.3 - Metrologic Orbit MS-7120 scanner**



**Metrologic MS-9520 Voyager**

A hand-held single-line laser scanner with automatic barcode scanning, also offered with a holder. The method of scanning is an LED 650 nm  $\pm$  10 nm, scanning speed is 72 lines/s, scanning distance of 203 mm and the minimum bar width is 0.132 mm.

**Figure 6.4 - Metrologic MS-9520 Voyager scanner**



**Birch CD-108e**

A great favorite, this hand-held CCD scanner is characterized by its low energy consumption, which makes it suitable for connecting to a cash register working on a battery or to a laptop computer. This scanner is ergonomically designed and reliably reads all commonly used barcodes, and working with it, including configuration settings, is simple and easy for all users. It uses a CCD scanning with a speed of 100 scans per second.

**Figure 6.5 - Birch CD-108e scanner**



You can get information about other types of scanners from your authorized Euro-150TE/TX Flexy cash register dealer. You can find a complete list of scanners sold on our Web site: [www.elcom.eu](http://www.elcom.eu).

**Expanding RS-232 ports**

If you need to connect a number of devices to the cash register, it's possible to expand the register by two more RS 232 ports. In this way you can connect the cash register simultaneously with, for example, a scanner, a payment terminal and an external display.

### **Internal accumulator**

The cash register can be expanded by an internal accumulator which is an optional accessory and ensure operation even in case of a power outage.

A component of the accumulator expansion is also a change of the register power adaptor. A service organization provides installation of the accumulator.

### **CASH DRAWER**

The Euro-150TE/TX Flexy cash register allows you to connect a larger cash drawer outfitted with an opening device with a solenoid (12V and with max. 30Ω resistance). The cash register comes with a built-in interface for automatic cash drawer opening.

The cash drawer is connected to the cash register by a cable which allows for automatic opening. The cable with a connector allows for easy disconnection of the cash drawer when moving the cash register. Small operations certainly will welcome the opportunity to place the cash drawer as needed in a freely chosen location and open it automatically via the cash register.

**Figure 6.6 Cash drawer**



Ask your authorized Euro-150TE/TX Flexy dealer about supply of a connecting cash drawer.

### **EXTERNAL DISPLAY**

External display ED-2500R can be connected to the Euro-150TE/TX Flexy cash register. The display can show programmed advertising texts in „R“ mode after a receipt is closed. For more information see the chapter “Advertising texts” in the section “Programming the cash register”.

**Figure 6.7 External display**



# ***HELPFUL ADVICE***

## **MANDATORY SERVICE MAINTENANCE**

The Euro-150TE/TX Flexy cash register requires the performing of mandatory service maintenance after reaching a certain number of printed out lines and before using up the capacity of the floating battery.

## **INFORMATIONAL AND ERROR MESSAGES**

If it is necessary to inform the operator about the current activities of the cash register or if the register enters into an error state, the following messages will appear on the display:

**Table 7.1 - List of cash register error messages**

MESSAGE	MEANING
Cover open	The printer head is lifted.
Receipt paper missing	There is no receipt paper in the printer.
Printer disconnected	Communication with the printer was unsuccessful. Printer is probably disconnected.
Receipt total overflow	The operation was not performed because it would cause the exceeding of the purchase limit.
Head temperature out of range	Printing of data was stopped. Cooling of the printer head is required.
Purchase full end receipt	The memory for recording sales has filled up. Purchase must be voided or paid (The limit for one sale is 101 PLUs).
Realize last payment	Limit reached for the number of partial payments allowed in a purchase. Full amount must be paid.
Value adjustment limit	The entered value cannot be zero and less than the price of the item, or the value of the subtotal.
Percent. adjust limit	The entered value cannot be zero, less than the programmed limit and no greater than 100%.
Not adjustable item	It is not possible to apply a surcharge/discount to the selected item - for example, a refundable package.
Quantity1 limit exceeded	First amount exceeds limit.
Quantity2 limit exceeded	Second amount exceeds limit.
Quantity limit exceeded	Resulting amount exceeds limit.
Invalid quantity1	A zero or very large (invalid) value for the first amount.
Invalid quantity2	A zero or very large (invalid) value for the second amount.
Invalid quantity	A zero or very large (invalid) value for the resulting amount.
Invalid unit price	A zero or very, very large unit price for an item was entered.
Loan forbidden	The requested deposit is not allowed.



Pickup forbidden	The requested withdrawal is not allowed.
Not enough currency	Pay out not possible - the cash register drawer does not have the requested amount.
Sale impossible inactive PLU	A PLU with an undefined name or assigned an inactive taxation level cannot be registered. Equally, an item with a zero-programmed price and no price for registration cannot be registered.
Sale impossible inactive DPT	A DPT with an undefined name or assigned an inactive taxation level cannot be registered. Equally, an item with a zero-programmed price and no price for registration cannot be registered.
Unit Price change not allowed	Item does not allow for entering unit price for registering.
Item not found	The item with the entered number or bar code is not in the register database.
Item has zero price	A resulting price of zero for an item is not allowed.
No sale yet	The requested operation cannot be performed because the purchase contains no PLUs.
Oper. impossible in this state	In the mode for refunding goods, only registration of PLUs; its voiding and a one-time payment in the sense of refunding cash to a customer is allowed.
Item is not container	The given PLU cannot be used in an operation for buying back returnable packaging.
Linked PLU is not container	The given PLU cannot be used in an operation for buying back returnable packaging.
Sbtl. adjustment	It's not possible to cancel the PLU because a discount/surcharge has already applied to the subtotal and the given PLU was included.
Descript. PLU can't be voided	Descriptive PLU cannot be cancelled separately, but only together with the main PLU to which it is linked.
Descript. PLU can't be sold	Descriptive PLU cannot be sold separately but only when linked to a main PLU.
Bad tender value	The value entered for a payment cannot be realized in the valid banknotes and coins.
Invalid value	An extremely large value in the operation deposit, withdrawal or payment.
Value too large	The value entered for payment cannot be processed.
Illegal tender	Only cash can be used for payment in foreign currency.
After daily report	A daily Z-report was already run - no sales have been run since the last Z-report.
Do Z report daily	The activated operation requires the running of a daily Z-report.
Do Z report monthly	The activated operation requires the running of a monthly Z-report.
Do Z reports	Activated operation requires running a Z-report.
Cannot set value	Value of data cannot be changed in the given state, for example, no reports have been run.

Report done	The requested report was run.
No item	Operation on sale which does not contain a PLU
Illegal operation	Prohibited sequence of keys were pressed.
Change too large	The value of the payment causes a payout value that cannot be shown on the customer display.
Continue registration	After switching on, the cash register informs about an open purchase – It is possible to continue in charging items or complete the sale.
Continue payment	After switching on cash register informs about a purchase waiting to be paid – only payments are possible at this point.
Scales error	Scale is not connected or communication with scale was unsuccessful.
Memory card not found	Error during export or import of data.
Error open file	
Cannot close file	
Error read file	Error during export or import of data.
Cannot write file	
Batt. discharged connect adapter	Current state of the battery doesn't allow for regular cash register operation. Attaching an adapter is imperative. Cash register can be shut off.
Batt. discharged charging...	Current state of the battery doesn't allow for regular cash register operation. Adapter is now attached. Cash register can be shut off.
Print.line.limit call service(CL)	Call service for cash register maintenance.
After daily report	An attempt at running a Z-report, but nothing was registered. At least one sale, return or deposit must first take place, then it is possible to run the report.
Dev.disconnected call service,pls	Disconnection of the customer display or printer detected. Cash register cannot be used for registration of sales. Call a service technician.

## TESTING THE CASH REGISTER

Tests for the Euro-150TE/TX Flexy allow you to simply and rapidly check the functionality of the cash register. With the help of self-tests, we can check: the functioning of electronic circuits, display elements, keys and the keyboard and the printer. Only the most commonly used tests are described in this chapter. Other tests are designed for service technicians.







### Testing the electronic circuits and display

## Customer display

Self-test for the electronic circuits and the displays shows selected characters on the display.





### Procedure for initiating the customer display test:

Sequence of steps	Display
In the P-mode press  or  and then  TOTAL to enter the menu for testing the customer display (P-mode – System params – Tests):	<pre> Tests Customer display </pre>
Confirm by pressing  TOTAL. The customer display will gradually show selected characters	<pre> Customer display executing... </pre>
After successful completion of the test, the display reads:	<pre> Test executed OK </pre>

## Cashier display

Self-test for the electronic circuits and the displays shows selected characters on the display.







### Procedure for initiating the cashier display test:

Sequence of steps	Display
In the P-mode press  or  and then  TOTAL to enter the menu for testing the cashier display (P-mode – System params – Tests):	<pre> Tests Operator display </pre>
Confirm by pressing  TOTAL. The display will gradually light up all points on the cashier display	
After successful completion of the cashier display test, the display reads	<pre> Test exeuted OK </pre>

## Testing the keyboard

The keyboard test evaluates the successive pressing of keyboard keys. If the keys are pressed in the exact order defined in Figure 7. 1 and the keyboard or its circuits are not damaged, the test will be completed successfully.

### Procedure for initiating the keyboard test:

Sequence of steps	Display
In the P-mode press  or  and then press  TOTAL to enter the menu for testing the keyboard (P-mode – System params – Tests):	<pre> Tests Keyboard </pre>
Confirm by pressing  TOTAL and gradually press the keys in the order shown in figure 7. 1. Begin with the  key and end with the  TOTAL key.	<pre> Keyboard executing... </pre>
After successful completion of the test, the display reads:	<pre> Test executed OK </pre>

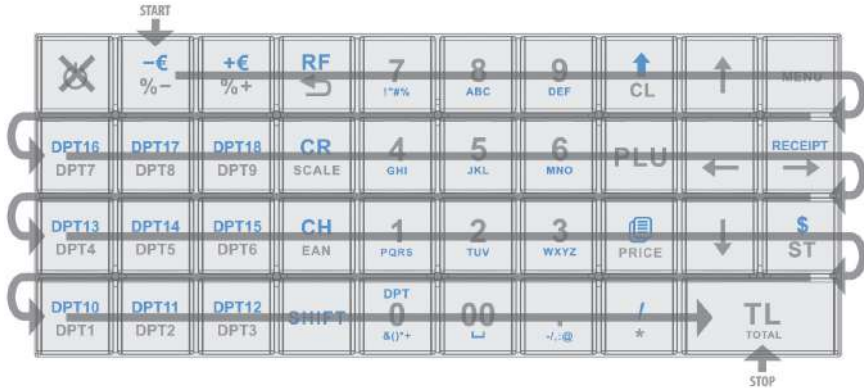
### Course of the test:

Gradually press the individual keyboard keys in the direction of the arrows in Figure 7. 1.

If a key is pressed in the incorrect order, a sound signal will announce the error until the correct key is pressed (the next according to the test).

You can end the keyboard test at any time by pressing **[TL TOTAL]**.

**Figure 7.1 – The Euro-150TE/TX Flexy keyboard test sequence**



### Testing the printer

The printer's self-test will print out the entire set of characters in standard size on the receipt ribbon.

#### Procedure for initiating the printer's self-test:


Sequence of steps	Display
In the P-mode press <b>[←]</b> or <b>[RECEIPT]</b> and then <b>[TL TOTAL]</b> TOTAL to enter the menu for the printer test (P-mode – System params – Tests):	Tests Print
Confirm by pressing <b>[TL TOTAL]</b> TOTAL. The printer will print out the cash register's character set on the thermal ribbon.	Print executing...
After successful completion of the test, the display reads:	Test executed OK

### Testing the position of the thermal printer head

The display will show the current position of the printer head. Movement of the head's lifting mechanism changes the depiction of the head position on the display according to the actual position of the head's lifting mechanism.

#### Procedure for initiating the test:

Sequence of steps	Display
In the P-mode press <b>[←]</b> or <b>[RECEIPT]</b> and then <b>[TL TOTAL]</b> TOTAL to enter the menu or testing the position of the thermal printer head (P-mode – System params – Tests):	Tests Platten position
Confirm by pressing <b>[TL TOTAL]</b> TOTAL. If the printer head is in place, the display will show:	Cover close
If the printer head is lifted, the display will show:	Cover open






Complete the test by pressing  TOTAL.

Cover close

## Paper ribbon sensor test

The display will show the current state of paper ribbon present. Installing and removing paper from the sensors changes the status depicted on the display, depending on the presence of the paper in the sensor.

### Procedure for initiating the test:

Sequence of steps	Display
In the P-mode press  or  and then  TOTAL to enter the menu for testing the paper ribbon sensor (P-mode - System params - Tests):	<pre> Tests Paper sensor           </pre>
Confirm by pressing  TOTAL. If the thermal ribbon is correctly inserted in the printer, this will appear on the display:	<pre> Receipt    OK           </pre>
If there is an error in the thermal paper, the display will show	<pre> Receipt error           </pre>
Complete the test by pressing  TOTAL.	<pre> Receipt    OK           </pre>





