



CM 1810 plus

Operating Instructions

Bedienungsanleitung

Mode d'emploi

Manual de instrucciones

OLYMPIA 

SINCE 1903



CM 1810 plus

- (GB) The manufacturer hereby declares that the equipment complies with the stipulations defined in the following guidelines and standards:
- (D) Der Hersteller erklärt hiermit, dass das Gerät mit den Bestimmungen der Richtlinien und Normen übereinstimmt:
- (F) Le fabricant déclare par la présente que l'appareil est conforme aux règlements et normes en vigueur:
- (E) Por medio de la presente, el fabricante declara que este aparato está conforme a lo dispuesto en las directivas y normas vigentes:

73/23/EEC	EN 60950: 08.92 + A1:01.93 + A2: 08.93 + A3:10.95
89/336/EEC	EN 55022: 09.98
	EN 50024: 09.98
	EN 61000-3-2: 04.95 + A1:1998 + A2:1998 + A14:2000

OLYMPIA 

Olympia Office Machines Ltd.



10/2001

Harald J. Wellenberg

Managing Director

on having chosen a cash register from Olympia.

The simple layout of the keys and numerous programmable functions make this an exceptionally user-friendly cash register.

This cash register enables you to register amounts according to departments, store PLUs and print receipts with a predefined stamp. Various reports can be printed out for evaluating and analyzing sales.

This operating instruction manual describes the functions, operating elements and operating procedures for the cash register. Read it carefully so that you can take advantages of the new cash register quickly and easily.

Olympia Office Machines Ltd.

This operating instruction manual serves purely for information purposes. Its content is not part of any contract of sale.

All the data specified relates to nominal values. The equipment and options described may differ from country to country according to national requirements. Olympia Office Machines Ltd. reserves the right to modify the content and technical specifications.

Starting up	6
Intended use	6
General information/Safety notes	6
Transport protection locks	6
Connection to the power supply	6
Printer	7
Insert paper roll	7
Paper reel	8
Change ribbon	8
Machine view	9
Machine view	9
Display	10
Key-operated switch	11
Keypad	12
CM 1810 plus keypad	12
Key functions	12
Operation	16
Training mode	16
Registrations	16
Department registration (programmed price)	16
Department price override	17
PLU registration	17
PLU price override	18
Repeated PLU registration	18
Registration by multiplication	19
Display change	20
Registration of different types of payment	21
Split payment	22
Premium and Discount	23
Premiums, as a percentage	23
Discounts, as a percentage	24
Discounts, fixed and manually entered amounts	25
Payments received on account and paid out	26
Received on account (cash and check)	26
Paid out, cash	26
Error correction and void	27
Error correct (direct cancellation)	27
Void (designated cancellation)	27
Delete registration	27
Refund/Returned goods cancellation	28
Miscellaneous	28
Time display	28
Enter clerk code	28
Lock/Unlock cash register electronically	29
Open cash register drawer electronically	29
Open cash register drawer manually	29
Printing a maximally 10-digit receipt number	29

Cash tender keys.....	29
Passwords	29
Print duplicate receipt	29
Reports.....	30
Abbreviations	31
Reports without memory deletion	32
Reports with memory deletion	37
Electronic journal	38
Deleting the journal.....	38
Printing the journal.....	38
Reading the journal.....	39
Miscellaneous.....	39
Manual programming.....	40
General information	40
Printing all programmed settings	42
Programming the basic program.....	43
Modifying a single flag	43
FLAG table.....	44
Programming the tax rate	47
Programming departments	47
Programming the Coupon key	48
Programming PLU numbers	49
Modifying and adding PLU numbers	49
Currency conversion program.....	50
Programming currency conversion.....	50
Euro in the period 01.01.1999 - 31.12.2001	50
Euro in the period 01.01.2002 - 28.02.2002	51
General currency conversion.....	52
Error messages	53
Accessories and maintenance.....	54
Options.....	54
Keypad cover.....	54
Cash drawer trays.....	54
Bill testing unit.....	54
Self-tests	54
Technical data.....	55
Alphabetical index.....	56

■ Intended use

This cash register should be used exclusively for performing cash register business indoors. Any other use is considered unintended use.

■ General information/Safety notes

- Make sure that the mains voltage corresponds to the specifications indicated on the rating plate located at the back of the cash register.
- The cash register is a highly sophisticated piece of equipment. Never try to repair it yourself. If repairs are necessary, give the cash register to an authorized service center or your sales outlet.
- Never insert metallic objects such as screwdrivers, paper clips, etc. into the cash register. They may damage the cash register and present the danger of causing an electric shock.
- Always switch off the cash register after having finished your work.
- Clean the cash register by dusting it with a dry cloth. Never use water or solvents, such as paint thinner or alcohol, to clean the cash register.
- In order to completely disconnect the cash register from the power supply, disconnect the power plug from the mains socket.
- Do not expose the cash register to excessive heat.
- Keep the transport protection locks for future use. If the cash register is subsequently moved, the transport locks must be reinstalled.

■ Transport protection locks

Before starting to operate the cash register, remove any transport protection locks and keep them for future use.

Important transport note:

In the case of damage caused during transport, the unit must be returned with the packaging, operating instructions and accessories.

■ Connection to the power supply

Before connecting the cash register to the power supply, check that the voltage and frequency specifications on the rating plate correspond to the local power supply.

Safety note:

The power socket must be located close to the cash register and be easily accessible. This enables the cash register to be disconnected from the power supply quickly in an emergency.

Note:

All data is retained following disconnection from the power supply. The internal backup battery ensures data retention for approx. 4.5 months. To charge up the battery for this, keep the cash register connected to the power supply for 48 hours after switching it on for the first time.

■ Printer

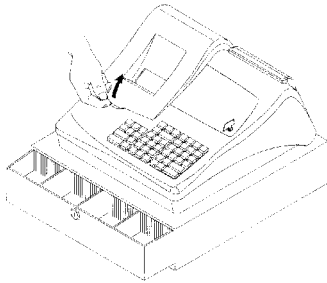
Caution:

Observe the following information to ensure long, trouble-free operation:

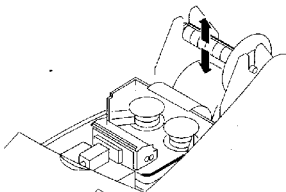
- Never
 - print when no paper is inserted.
 - pull the paper when the printer is in operation.
 - use poor quality paper or color ribbons.
 - use used paper rolls a second time .
 - manipulate the printer mechanism with hard objects or move by hand.

- Pay attention to the end of paper markings. Change the paper roll immediately.
- Have the cash register/printer serviced regularly by an authorized service center.
- Change the ribbon when the print quality starts to deteriorate.

■ Insert paper roll




1. Open the printer lid.
2. Turn the key-operated switch to **REG.**



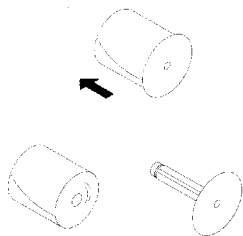
3. Insert the paper roll (57 mm wide) for the receipt in the paper holder. The end of the paper roll must be at the bottom.



4. Feed the end of the paper roll, cut straight, into the printer and press . Depending on how the roll is used, feed the paper past the tear-off edge on the printer lid (receipt) or onto the paper reel (journal).
5. Close the printer lid.

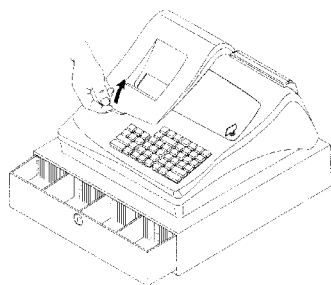
■ Paper reel

The paper reel is required when the paper roll should be rolled onto it .

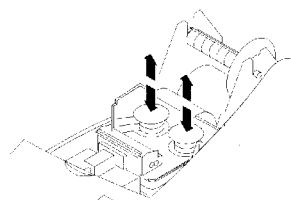


1. Open the printer lid.
2. Remove the paper reel.
3. Thread the end of the journal roll in the slit in the paper reel.
4. Insert the paper reel in the hollows provided for it.
5. In order to remove the journal paper after it has been rolled up on the reel, remove the paper reel and pull the journal paper roll off.
6. Reinsert the paper reel.
7. Close the printer lid.

■ Change ribbon



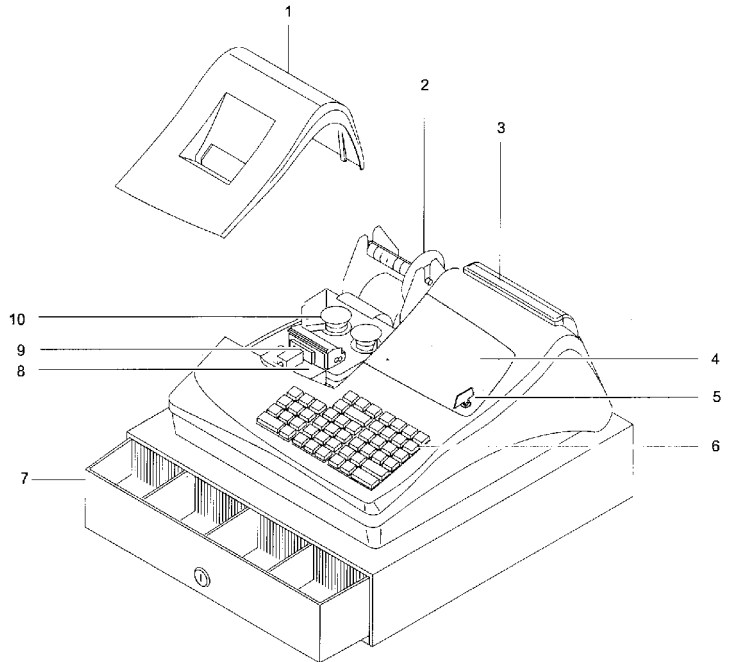
1. Open the printer lid.



2. Lift the left and right ribbon spools up and out of the guides.
3. Insert the new ribbon spools in the guides.
4. Insert the new ribbon cassette in the printer so that the ribbon is positioned between the digit roll and paper. It must make contact with the side ribbon guides. Tighten the ribbon slightly.
5. Insert the paper roll
6. Close the printer lid.

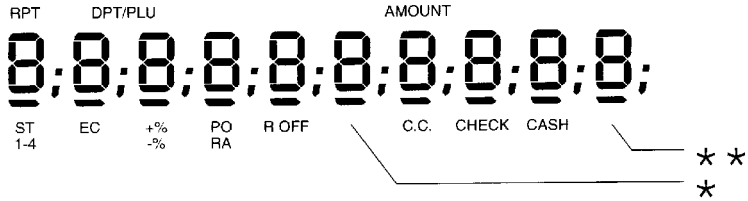
■ Machine view

The diagram below illustrates the cash register with all its functional parts.



- | | |
|------------------------|-------------------------|
| 1. Printer lid | 6. Keypad |
| 2. Paper reel | 7. Cash register drawer |
| 3. Customer display | 8. Printer |
| 4. Clerk display | 9. Logo stamp plate |
| 5. Key-operated switch | 10. Ribbon |

■ Display



The respective amount appears flush to the right in the display, to the left is the number of repetitions (RPT) in cases where several registrations are made for one department or PLU. DPT/PLU indicates the active department or PLU during manual programming.

The lower part of the display indicates the following by means of illuminating marks:

- ST 1-4 Department or PLU with tax rate
- EC Error correction process
- +%, -% Premium or discount
- PO, RA Amount paid out, received on account
- R OFF Receipt printing is switched off
- C.C. Payment via credit-card
- CHECK Payment via check
- CASH Cash payment
- ** Electronic journal nearly full
- * Department level 2 is active

Note:

The customer display can be pulled out and turned.

■ Key-operated switch

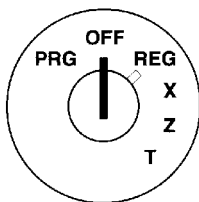
The key-operated switch is the operational center of the cash register.

Various keys are available which enable the different functions to be used.

The **REG** key enables the user to make registrations and print reports without clearing the memory.

The **Z** key enables the user to make registrations, print reports with/without clearing the memory and program the cash register.

The **PRG** key enables the user to make registrations, print reports with/without clearing the memory and program the cash register. It is also possible to activate Training mode.



Significance of the switch positions:

OFF= Power supply is switched off.

Each key can be turned to this position.

REG= Sales transactions can be registered

(refer to Chapter "Operation").

Each key can be turned to this position.

X = Reports can be printed **without** deleting the memory contents (refer to Chapter "Reports").

Each key can be turned to this position.

Z = Reports can be printed **with** deletion of the memory contents (refer to Chapter "Reports").

The **Z** and **PRG** keys can be turned to this position.

PRG= Programming level,

Used to program the system flags, departments, PLUs, prices, etc.

The **Z** and **PRG** keys can be turned to this position.

T = Training mode,

Used to carry out transactions without storing the result (refer to Chapter "Operation" / "Activate Training Mode").

The **PRG** key can be turned to this position.

POR

PLU override key (POR)

- Assign price B to a PLU for which price A is stored; valid for one registration

PLU

PLU key

- Register a stored PLU
- Register the same item several times
- Print full/individual reports (key-operated switch position: X)
- Print and delete full PLU reports (key-operated switch position: Z)

NS
#

No sale key

- Digits entered are not registered as amounts but printed as numeric entries
Use, for example, to print a customer account number
- Open cash register drawer to change money
- Display day's net sales (key-operated switch position: X)
- This function may be protected by a password

X
Time

Time/Date and multiplication key

- Multiply the amount shown in the display
- Display day's gross sales (key-operated switch position: X)
- Display the current time

Cash

Cash key

- Register cash payments
Entered amount is subtracted from the total amount paid
- Total amount appears in the display, the cash register drawer opens
- Amount of change appears in the display
- Print full report (key-operated switch position: X)
- Print and delete full report (key-operated switch position: Z)

CC
Open
19

Credit-card key

- Registers payments made via credit-cards
Entered amount is subtracted from the total amount paid
- Total amount appears in the display, the cash register drawer opens
- Amount of change appears in the display

Check

Check key

- Register payments made by check
Entered amount is subtracted from the total amount paid
- Total amount appears in the display, the cash register drawer opens
- Amount of change appears in the display

Charge

Charge key

- Registers amounts charged
- Total appears in the display

SI

Subtotal key

- Display the subtotal
- Store programming sequences (key-operated switch position: P)

F PCE 1	E PCE 2
E PCE 3	C PCE 4-9

Currency conversion/Cash tender keys

- Enables conversion to various currencies
or
- When correspondingly programmed, registers amounts received for common amounts tendered

PO

Paid out key

- Register amounts paid out
- Print full/individual clerk reports
(key-operated switch position: X)
- Print and delete monthly report
(key-operated switch position: Z)

RA

Received on account key (RA key)

- Register amounts paid into the cash drawer
The amount is not assigned to the sales figures
- Print hourly reports (key-operated switch position: X)
- Print and delete hourly reports (key-operated switch position: Z)

Coupon

Coupon key

- Subtract a stored or manually entered amount
- Print financial reports (key-operated switch position: X)

REF

Refund key

- Register refunded items

EC

Error correction key

- Cancel the last amount entered
- Print full department report
(key-operated switch position: X)

**Void key**

- Cancels an amount that was registered several transactions before

**Premium key**

- Add a stored or manually entered percentage to the price of the last item or a subtotal
- Reads the electronic journal and prints it out when this function has been activated in Flag 02 (refer to Electronic Journal)

**Discount key**

- Subtract a stored or manually entered percentage from the price of the last item or a subtotal
- Print and delete the full clerk reports (key-operated switch position: Z)

**Receipt paper feed key**

- Feed the receipt paper without printing

**Receipt on/off key**

- Switches receipt printing on or off when the key has been activated (Flag 40)
- Toggle the display to 8-digit price representation and back (key-operated switch position: PRG)

**Duplicate receipt key**

- A second copy of the receipt is printed, if permitted
- If receipt printing is deactivated (R OFF marl illuminated), a receipt can still be printed. In this case, the receipt is printed as the *first receipt*

**Clerk ID key**

- Clerks must log in by entering their personal passcode via this key, when the key is activated (Flag 40)

**Clear key**

- Deletes incorrect entries
- Clears error states

■ Training mode

It is possible to execute the functions described in this Chapter "Operation" without the operations and results being stored (registered).



Key position: Training mode

Note:

The **PRG** key is required for this.
All the functions which are available in operating mode **REG** can be performed.

■ Registrations

The cash register provides easy to use repeat and multiplying functions to simplify operations, e.g. when registering the same price in the same department.



Key position: Registration. All the following types of registration can be carried out with the key in this position.

Note:

In the following examples, the tax rates TI = tax 1 = 16% and TII = tax 2 = 7% are used.

■ Department registration (programmed price)

Use the department keys to register programmed prices.

- | | | |
|------|-----------------------------------|---------------------------------|
| e.g. | <input type="text" value="1"/> | Select the required department |
| e.g. | <input type="text" value="2"/> | Select the required department |
| e.g. | <input type="text" value="3"/> | Select the required department |
| e.g. | <input type="text" value="4"/> | Select the required department |
| e.g. | <input type="text" value="Cash"/> | Press one of the tendering keys |

Example printout

01 -0007	Machine no., Receipt no.
1810 2001	Date
09·21 01	Time and clerk code
01 100·00TI	Registered fixed price, TI = tax 1
02 200·00TII	Registered fixed price, TII = tax 2
03 300·00TIX	Registered fixed price, TIX = tax 3
04 400·00TIIZ	Registered fixed price, TIIZ = tax 4
13·79TI	Amount of tax 1 included
13·08TII	Amount of tax 2 included
27·27TIX	Amount of tax 3 included
52·17TIIZ	Amount of tax 4 included
1000·00ST	Subtotal of the registration

1000·00CA	Total

■ Department price override

It is possible to manually enter a price which differs from the price programmed for that department (price override). The programmed department price remains unchanged.

to

e.g.

to

e.g.

e.g.

Enter the amount (without decimal point)

Press the required department key (Department 1)

Enter the amount

Press the required department key (Department 2)

Press the relevant tendering key

Example printout

```
01 -0007
1810 2001
09·21 01
01 200·00TI
02
    2000·00TII
    27·59TI
    130·84TII
    2200·00ST
-----
1-3
    1·95583%
    1124·84€
-----
    2200·00CA
```

Machine no., Receipt no.

Date

Time and clerk code

Registered amount, TI = tax 1

Registered amount, TII = tax 2

Tax 1 amount

Tax 2 amount

Subtotal of the registration

Currency

Exchange rate

Amount in currency

Total

■ PLU registration

Use the PLU key to register amounts.

to

to

e.g.

Enter the PLU number

PLU number and price are printed

Enter the PLU number

PLU number and price are printed

Press the relevant tendering key

Example printout

```
01 -0011
1810 2001
14·25 01
001
    4·20TI
002
    8·80TI
    1·79TI
    13·00ST
-----
1-3
    1·95583%
    6·65€
-----
    13·00CA
```

Machine no., Receipt no.

Date

Time and clerk code

Registered PLU

Registered PLU

Amount of tax included

Subtotal of the registration

Currency

Exchange rate

Amount in currency

Total

■ PLU price override

By using the POR key, it is possible to override an amount for a PLU which is different from the programmed price. The PLU price remains unchanged.

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the price (without decimal point)
<input type="text" value="POR"/>	Initiate PLU override
<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the PLU number
<input type="text" value="PLU"/>	PLU number and overriding price are printed
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

Example printout

<p>01 -0016 1810 2001 11.45 01 001 4.00TI 0.55TI 4.00ST ----- 1-3 1.95583% 2.05€ ----- 4.00CA</p>	<p>Machine no., Receipt no. Date Time and clerk code Registered PLU Overriding price Amount of tax included Subtotal of the registration Currency Exchange rate Amount in currency Total</p>
---	--

■ Repeated PLU registration

Repetition of registrations can be performed after entering amounts, PLUs and departments.

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount
e.g. <input type="text" value="2"/>	Select the required department
<input type="text" value="2"/>	Repeat the entry
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

or

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the PLU number
<input type="text" value="PLU"/>	PLU number and price appear
<input type="text" value="PLU"/>	Repeat the entry
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

or

e.g. <input type="text" value="2"/>	Select the required department
<input type="text" value="2"/>	Repeat the entry
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

■ Registration by multiplication

The multiplication of registration can be performed after entering amounts, PLUs and departments.

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the number or amount of an item
<input type="text" value="X"/> Time	Activate multiplication
<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the price
e.g. <input type="text" value="1"/>	Enter the department
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

or

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the number or amount of an item
<input type="text" value="X"/> Time	Activate multiplication
<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the PLU number
<input type="text" value="PLU"/>	PLU number and price are printed
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

or

<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the number or amount of an item
<input type="text" value="X"/> Time	Activate multiplication
e.g. <input type="text" value="1"/>	Enter the department
e.g. <input type="text" value="Cash"/>	Press the relevant tendering key

Note:

It is also possible to multiply using decimal fractions.
Always enter decimal fractions with a decimal point.

Example:

To register 3.25 liters of engine oil at a price of £4.95 per liter.

<input type="text" value="3"/> <input type="text" value="."/> <input type="text" value="2"/> <input type="text" value="5"/>	Enter quantity of oil as a decimal fraction
<input type="text" value="X"/> Time	Activate multiplication
<input type="text" value="4"/> <input type="text" value="9"/> <input type="text" value="5"/>	Enter the price (without decimal point)
e.g. <input type="text" value="1"/>	Select the required department.
e.g. <input type="text" value="Cash"/>	The price is displayed and the cash drawer opens

Example printout

```

01 -0012
1810 2001
11·25 01
      3·250
X      4·95X
01 16·09TI
      0·36TI
      16·09ST
-----
      16·09CA
  
```

Machine no., Receipt no.
Date and clerk code
Time
Number of items
Multiplication factor for the registered amount
Result of multiplication
Amount of tax included
Subtotal of the registration
Total

■ Display change

The amount tendered by the customer can be entered by means of the digit keys or the relevant Cash Tender key (assuming prior programming); e.g. €10.00. The amount of change due is displayed.

to

Enter the amount (without decimal point)

e.g.

Select the required department.

to

Enter the PLU number

PLU number and price are printed

e.g.

Press department key

Subtotal

to

Enter the amount paid (without decimal point)

e.g.

The price is displayed and the cash drawer opens

Example printout

```

01 -0014
1810 2001
11·35 01
01 6·50TI
001
      8·80TI
04 100·00TI
      115·30ST
      15·90TI
      115·30ST
-----
1-3
      1·95583%
      58·95€
-----
      200·00CA
      -84·70CG
    
```

Machine no., Receipt no.

Date

Time and clerk code

Registered amount

PLU number

PLU price

Registered fixed price

Subtotal of the registration

Amount of tax included

Subtotal of the registration

Currency

Exchange rate

Amount in currency

Amount tendered (cash tender key)

Change due

■ Registration of different types of payment

It is possible to receive payment by means of check, credit-card or cash.

	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount (without decimal point)
	e.g. <input type="text" value="1"/>	Select the required department
	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount (without decimal point)
	e.g. <input type="text" value="1"/>	Select the required department
	<input type="text" value="ST"/>	Subtotal
	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount paid (without decimal point)
	e.g. <input type="text" value="Cash"/>	Press the relevant tendering key
or		
	<input type="text" value="ST"/>	Subtotal
	e.g. <input type="text" value="4"/> + <input type="text" value="Card Code 1-6"/>	Select the relevant credit-card
	<input type="text" value="Card Code 1-6"/>	Finalize the transaction
or		
	<input type="text" value="ST"/>	Subtotal
	e.g. <input type="text" value="4"/> + <input type="text" value="Card Code 1-6"/>	Select the relevant credit-card
	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the part payment amount (without decimal point)
	<input type="text" value="Card Code 1-6"/>	Finalize the part payment
or		
	<input type="text" value="ST"/>	Subtotal
	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount paid (without decimal point)
	e.g. <input type="text" value="Cash"/>	Press the relevant tendering key
or		
	<input type="text" value="ST"/>	Subtotal
	<input type="text" value="0"/> to <input type="text" value="9"/>	Enter the amount paid (without decimal point)
	e.g. <input type="text" value="Charge"/>	Press the relevant tendering key

■ Split payment

A sum for payment can be paid for in several part payments. It is possible to use different types of payment for each part.

Example:

A customer wishes to split a total sales sum of €1540.50 into three part payments of €1000.00 (credit-card), €400.00 (check) and €200.00 (cash).

e.g. +

Select credit-card payment

Enter the part of the sum to be paid by credit-card (without decimal point)

The part amount is deducted from the total amount, the outstanding amount is shown in the display.

Enter the part of the sum to be paid by check (without decimal point)

The part amount is deducted from the remaining sum, the outstanding amount is shown in the display.

Enter the amount to be paid in cash (without decimal point)

The part amount is deducted from the remaining sum, the change due is displayed.

Example printout

```

01 -0016
1810 2001
11·39 01
02
1540·50TII
100·78TII
1540·50ST
-----
1-3
1·95583%
787·65€
-----
4          CH
1000·00
400·00CK
200·00CA
-59·50  CG
    
```

Machine no., Receipt no.

Date

Time; Clerk code

Registered fixed price

Subtotal of the registration

Currency

Exchange rate

Amount in currency

Card number and abbreviation for credit-card payment

Part payment, credit-card 4

Part payment, check

Part payment, cash

Change due

■ Premium and Discount

During registration, premium and discount operations can be performed on an amount and/or subtotal according to percentage, variable or fixed premium or discount rates.

■ Premiums, as a percentage

If a surcharge needs to be added, e.g. at five percent, it can be registered using the Premium key.

0	to	9
+ % BJ Read		

Enter the percentage value (e.g. 5 for 5%)

Register the manually entered premium

or

+ % BJ Read

Register the fixed rate percentage premium

Example printout

```

01 -0017
1810 2001
11·50 01
01 100·00TI
01 50·00TI
   150·00ST
     5·00%
     7·50
    21·72TI
    157·50ST
-----
1-3
  1·95583%
   80·53€
-----
    157·50CA
  
```

Machine no., Receipt no.

Date

Time and clerk code

Registered amount

Registered amount

Subtotal of registration

Percentage rate

Amount of the percentage value

Amount of tax included

Subtotal of registration

Currency

Exchange rate

Amount in currency

Total of registrations

■ Discounts, as a percentage

If a discount on an item needs to be deducted, it can be registered using the Discount key.

to

Enter the percentage value (e.g. 3 for 3%)

Register the manually entered discount

or

Register the fixed rate discount percentage

Example printout

```
01 -0018
1810 2001
11·55 01
01 100·00TI
01 50·00TI
150·00ST
3·00% ⊖
-4·50
20·07TI
145·50ST
-----
1-3
1·95583%
74·39€
-----
145·50CA
```

Machine no., Receipt no.

Date

Time and clerk code

Registered amount

Registered amount

Subtotal of registration

Percentage rate

Amount of the discount percentage

Amount of tax included

Subtotal of registration

Currency

Exchange rate

Amount in currency

Total of registrations

■ Discounts, fixed and manually entered amounts

In order, for example, to subtract manually entered fixed or variable amounts, use the Coupon key.

to

Enter the discount value (30.00 €) (without decimal point)

Register the discount

or

Register fixed discount

Example printout

01 -0019	Machine no., Receipt no.
1810 2001	Date
12·00 01	Time and clerk code
01 100·00TI	Registered amount
01 50·00TI	Registered amount
150·00ST	Subtotal of registration
-30·00TI	Amount of discount
16·55TI	Amount of tax included
120·00ST	Subtotal of registration

1-3	Currency
1·95583%	Exchange rate
61·36€	Amount in currency

120·00CA	Total of registrations

■ Payments received on account and paid out

In addition to the "standard" registration procedures, it is also possible to make direct payments in using cash, check or credit-card and payments out in cash.

■ Received on account (cash and check)

to

e.g.

to

e.g.

Enter the amount (without decimal point)

Amount is registered

Cash register drawer opens

Enter the amount (without decimal point)

Amount is registered

Cash register drawer opens

Example printout

```
01 -0020
1010 2001
12-05 01
    100.00RA
    100.00CK
```

```
Machine no., Receipt no.
Date
Time and clerk code
Amount received, cash
Amount received, check
```

Note:

It is not possible to register more than two different types of payment for amounts received within one receipt. However, it is possible to record several received on account registrations for one type of payment within a single receipt.

■ Paid out, cash

to

Enter the amount (without decimal point)

The amount is registered and the cash register drawer opens

Note:

This function may be protected by a password. In this case, it can only be carried out after entering the correct password.

Example printout

```
01 -0021
1810 2001
12-10 01
    100.00PO
```

```
Machine no., Receipt no.
Date
Time and clerk code
Amount paid out
```

■ Error correction and void

Incorrect registrations can be corrected directly after the entry itself or after the transaction.

■ Error correct (direct cancellation)

The last item entered during a registration can be corrected directly.

EC

Entry is cancelled

Note:

This function may be protected by a password. In this case, it can only be carried out after entering the correct password.

■ Void (designated cancellation)

Errors in amounts, PLU prices and department prices for transactions entered previously can be corrected.

Void

Void function is activated

0 to 9

Enter the amount (without decimal point)

e.g. 1

Amount is cancelled

or

Void

Void function is activated

0 to 9

Enter the PLU number

PLU

PLU price is cancelled

or

Void

Void function is activated

e.g. 1

Department price is cancelled

Note:

This function may be protected by a password. In this case, it can only be carried out after entering the correct password.

■ Delete registration

It is possible to delete all the registrations (max. 200 items) for a receipt when the receipt has not been concluded.

The registrations are not subsequently recorded in the reports.

ST

Registration subtotal

REF

Delete registration function is activated

Cash

Deletion is executed.

■ Refund/Returned goods cancellation

Revision of transactions already concluded is possible by entering the respective amounts, PLU numbers, department prices or scanning the items.

REF
 0 to 9
 e.g. 1
 Cash

Refund function is activated
 Enter the amount (without decimal point)
 Select the required department.
 Entry is cancelled

or

REF
 0 to 9
 PLU
 Cash

Refund function is activated
 Enter the PLU number
 PLU price appears
 Entry is cancelled

or

REF
 e.g. 1
 Cash

Refund function is activated
 Department price is cancelled
 Entry is cancelled

Note:

This function may be protected by a password. In this case, it can only be carried out after entering the correct password.

■ Miscellaneous



Set the key to position REG

■ Time display

The cash register is equipped with an internal clock. The time can be printed on the receipts or displayed in the display.

X
 Time

Time is displayed.

■ Enter clerk code

If the machine is operated by several personnel, individual clerk codes must be programmed for each clerk. After assigning a clerk code, all the registrations performed by each clerk are recorded individually parallel to recording the full statistics and can be recalled separately.

To use this function, both the Clerk key (FLAG 40) and compulsory clerk entry (FLAG 28) must be activated.

0 to 9
 Clerk

Enter the 4-digit clerk code (PIN)
 Clerk is stored

■ Lock/Unlock cash register electronically

To use this function, both the Clerk key (FLAG 40) and compulsory clerk entry (FLAG 28) must be activated.



Cash register is locked. The following appears in the display: **LOG - - - -**

Enter the 4-digit clerk code (PIN)



Cash register is unlocked, the time appears in the display

Note:

When **LOG - - - -** appears in the display, the clerk code (PIN) must be entered as a 4-digit number.

■ Open cash register drawer electronically



Cash register is opened

Note:

This function may be protected by a password. In this case, it can only be carried out after entering the correct password.

■ Open cash register drawer manually

The cash drawer can be opened manually, e.g. following a power failure.

- Press the lever on the underside of the cash drawer towards the front

■ Printing a maximally 10-digit receipt number

By pressing it is possible to print a maximally 10-digit receipt number without the entry being recorded or having an influence on other activities.

■ Cash tender keys

If FLAG 39 is programmed accordingly, the FCE keys can be used as Cash Tender keys. As a result, the FCE keys can be assigned to register the receipt of commonly used amounts; e.g. 5, 10, 20, 50 €. The amounts can be changed at any time (FLAG 34 to 38).

■ Passwords

Passwords can be assigned to protect certain functions from being used without authorization.

The passwords are sequences of four digits which are not displayed when entered.

The entry must be concluded by pressing .

■ Print duplicate receipt

Directly after concluding a registration by , a duplicate receipt can be printed out if the function is permitted in the basic program.

This means a receipt can still be printed even if receipt printing has been deactivated. In this case, the duplicate receipt is printed as the *first receipt*.



Duplicate receipt is printed

The cash register stores all transactions in various records. This enables subsequent analysis of the registrations according to different aspects.

It is possible to generate and print reports without deleting the memory content. These reports are generated with the key in position **X**. It is also possible to generate reports whose contents is deleted from the memory when the report is completed and has been printed. These reports are generated with the key in position **Z**.

Note:

Reports can be protected by passwords, whereby you will be requested to enter the password (4 digits).

Note:

The printout of a report can be stopped at any time by pressing .

■ Reports without memory deletion



Set the key to position X

The following reports can be generated with the key in position X:

- Single department report
- Full department report
- Single PLU report
- PLU report fro selected range
- Full PLU report
- Financial report
- Hourly report
- Single clerk report
- Full clerk report
- Full X-report
- Display day's sales

Single department report

to

Single department report is printed

Example:

The individual department report should be generated for Department 8:



Set the key to position X

Single department report department 8 is printed

Example printout

```
01 -0001
1810 2001
13·10
-----
          X
          1 X
          6·11%
          1 #
08 150·00 TL
131900·00
```

Machine no., Receipt no.

Date

Time

Department report

Percentage share of total sales

Number of registrations

Department, sales, tax 1

Total amount of sales

Full department report

EC

Example printout

```

01 -0002
1810 2001
13·10
           X
-----
           1 X
          48·85%
           50 #
01      TL
5011·89
           5·60%
           35 #
02      TL
575·42
           0·07%
           1 #
03  7·89 TL
          45·46%
           14 #
06      TL
4664·00
10259·20
-----
8520·96TI
           3 #
1704·20TI
-----
01
5587·31
02  7·89
19
4664·00

```

Full department report is printed (all registered departments)

Machine no., Receipt no.
Date
Time

Department report
Percentage share of total sales
Number of registrations
Department, total
Department 1 sales
Percentage share of total sales
Number of registrations
Department, total
Department 2 sales
Percentage share of total sales
Number of registrations
Total sales of department 3
Percentage share of total sales
Number of registrations
Department and symbol
Department 6 sales
Sales of all departments

Taxable at tax 1

Tax at tax rate 1

Group 01 sales

Group 02 sales

Group 19 sales

Single PLU report

PLU number +

Example printout

```

01 -0002
1810 2001
13·12
           X
-----
           5 X
002
           3·48%
           3 #
           8·00 TL

```

Single PLU report is printed; e.g. 2

Machine no., Receipt no.
Date
Time

PLU report
PLU number
Percentage share of total sales
Number of registrations
Sales of PLU number 002

PLU report for selected range

Example:

A PLU report should be printed for the range PLU 23 to 24:

2 **3** + NS
#

Defines the start of the range (23).

Ent - End appears in the display

2 **4** + PLU

Defines the end of the range (24) and the PLU report is printed

Example printout

```

01 -0002
1910 2001
13·13
-----
                    X
                    5 X
023
    0·50%
    40 #
2000·00 TL
024
    0·25%
    10 #
1000·00 TL
    
```

Machine no., Receipt no.
Date
Time

PLU report
PLU number
Percentage share of total sales
Number of registrations
Sales of PLU number 23
PLU number
Percentage share of total sales
Number of registrations
Sales of PLU number 24

Full PLU report

PLU

Full PLU report is printed (all PLUs)

Example printout

```

01 -0002
1910 2001
13·14
-----
                    X
                    5 X
001
    0·12%
    3 #
120·00 TL
002
    0·05%
    2 #
 50·00 TL

500
    0·12%
    3 #
120·00 TL
100000·00
    
```

Machine no., Receipt no.
Date
Time

PLU report
PLU number
Percentage share of total sales
Number of registrations
Sales of PLU number 1
PLU number
Percentage share of total sales
Number of registrations
Sales of PLU number 2
Further PLUs
Last PLU number
Percentage share of total sales
Number of registrations
Sales of last PLU number
Total amount of all PLUs

The printout of the Full PLU report can be stopped at any time by pressing CL.

Financial report

Coupon

Financial report is printed

Example printout

```

01 -0002
1910 2001
19·22
           X
-----
           2 X
1090·00 TL
           2 #
          -4.40CA
           7 #
          -252.84RT
           4 #
          -239.20CDVD
           5 #
           850.80CATL
           3 #
          239·20CK

```

```

Machine no., Receipt no.
Date
Time

```

```

Financial report
Total amount
Number of void registrations
Total of void registrations
Number of refund registrations
Total of refund registrations
Number of error correction registrations
Total of error correction registrations
Number of cash payments
Total of the cash payments
Number of check payments
Total of check payments

```

Hourly report

RA

Hourly report is printed

Example printout

```

01 -0002
1910 2001
19·30
           X
-----
           4 X
12·00
           83·11%
           3 #
          600·00
13·00
           0·07%
           2 #
          30·00
           5 #
          630·00 TL

```

```

Machine no., Receipt no.
Date
Time

```

```

Hourly report
Time
Percentage share of total sales
Number of registrations
Total of the registrations
Time
Percentage share of total sales
Number of registrations
Total of the registrations
Total number of registrations
Total amount of registrations

```

Single clerk report

Clerk code +

Single clerk report is printed out

Example printout

```

01 -0002
1910 2001
19·30
          X
-----
          3 X
-1-
          14 #
171·33 TL
          14 #
27·41 TI
    
```

Machine no., Receipt no.
Date
Time

Clerk 1
Number of registrations
Sales of clerk 1
Number of registrations
Share of tax

Full clerk report

Full clerk report is printed (all 15 clerks)

Example printout

```

01#0002
2010 2001
19·12
          X
-----
          3 X
-1-
          3 #
12000·00 TL
          3 #
1920·00 TS
-6-
          12 #
24000·00 TL
          12 #
3840·00 TI
-----
36000·00 TL
5760·00 TI
-----
36000·00GT
    
```

Machine no., Receipt no.
Date
Time

Clerk 1
Number of registrations
Sales of clerk 1
Number of registrations
Share of tax
Clerk 6
Number of registrations
Sales of clerk 6
Number of registrations
Share of tax

Total amount of all registrations
Taxable share

Total sales of all clerks

Full X-report

Full X-report is printed
(department, financial and clerk reports)

Display day's sales

Display day's gross sales

Display day's net sales

■ Reports with memory deletion

The following reports can be generated with the key in position Z (the example printouts correspond to those of the X-reports except that a Z appears on the receipt):



Set the key to position Z.

- Full PLU report
- Hourly report
- Monthly report
- Full Z-report

Full PLU report



PLU report is printed and subsequently deleted

Hourly report



Hourly report is printed and subsequently deleted

Full Z-report



Full report is printed and subsequently deleted
The Grand Total (accumulated sum of all the registered amounts) and the monthly reports are not cleared

Monthly report



All stored Z-reports are deleted.
The Grand Total (accumulated sum of all the registered amounts) is not cleared

Note:

If the reports are protected by passwords **two** passwords must be entered to access the monthly report.
1st password "Z-report"; 2nd password "monthly report".

Note:

If the printout of a full report is incomplete due to a paper jam or end of paper, it can be reprinted: Press the keys .

■ Electronic journal

The electronic journal is a function which enables the recording of an electronic log without the need for a 2-station printer mechanism or special paper roll with carbon copy facility. After programming FLAG 02 appropriately, the transactions are recorded in a memory module and can be printed as required. The memory module has a capacity of 4000 lines.

■ Deleting the journal

There are various ways to delete the journal:

1. Set the key to position **PRG**; press , "Clear" appears in the display; press
2. Z-reports
3. Set the key to position **Z**; press , the journal is **printed** and then deleted.

■ Printing the journal

There are six different options for printing. The print options differ in their scope, deleting function and the sequence of printing.

1. **Full printout**
Set key to position **X**; press
the entire journal is printed (last registration first).
2. **Full printout**
Set key to position **Z**; press ,
the entire journal is printed (chronological order), journal is deleted.
3. **Print last transaction (from the end)**
Set key to position **REG**; press , "JOURNAL" appears in the display, after two seconds "CUS" or "LINE" appears with the max. number of lines in the journal; enter the number of lines to be printed; press .
Number of lines specified is printed from the journal (reverse sequence).
4. **Print last transaction (from the beginning)**
Set key to position **REG**; press , "JOURNAL" appears in the display, after two seconds "CUS" or "LINE" appears with the max. number of lines in the journal; enter the number of lines to be printed; press .
Number of lines specified is printed from the journal (reverse sequence).
5. **Print range "FROM-TO"**
Set key to position **REG**; press , "JOURNAL" appears in the display, after two seconds "CUS" or "LINE" appears with the max. number of lines in the journal; enter the starting line FROM; press ; enter the last line TO; press ;
(the FROM value must be greater than the TO value).
Range is printed (reverse sequence).

6. Print range "FROM-TO"

Set key to position **REG**; press , "JOURNAL" appears in the display, after two seconds "CUS" or "LINE" appears with the max. number of lines in the journal; enter the starting line FROM; press enter the last line TO; press ; (the FROM value must be greater than the TO value).

Range is printed (chronological order).

■ Reading the journal



Set the key to position REG

Press , **Journal** appears in the display and then the number of lines compiled.
Press , in order to return to Registration mode.

■ Miscellaneous

1. The time, date and the first and last registrations are printed at the end of the journal, as in a table of contents.
2. No transactions are recorded when Training mode is activated.
3. When the journal is full, an error message appears ("EJ-Full") and the cash register is blocked against use. In this case, the journal must be printed (key in position Z) or deleted (key in position PRG).
When Training mode is active, the cash register can still used normally.

The CM 1810 **plus** cash register can be programmed and, thus, adapted to meet individual requirements. Programming is divided into several areas.

The *Basic Program* (FLAGS) is used to define general settings, such as date format and type of tax rate for example.

The *Department Program* is used allocate prices and assignments to departments. In addition, the Coupon function can also be programmed.


The *Price Look-Up Program* is used allocate prices and assignments to PLUs.

The *Tax Rate Program* can be used to enter up to four different tax rates.

■ General information

Note: During programming (key-operated switch in Position: PRG) all the input can be corrected by pressing the key before storing it by pressing the key.

Caution:



Set the key to position PRG

After pressing the following key combination, the daily sales, grand total and all programmed settings (departments, PLUs, Flags etc.) are deleted.

<input type="button" value="Vsd"/>	CLEAR appears in the display.
<input type="button" value="ST"/>	All programmed settings and sales figures are deleted.

After pressing the following key combination, all the programmed settings (departments, PLUs, etc.) are deleted and reset to their "default state".

<input type="button" value="DEF"/>	DEFAULT appears in the display.
<input type="button" value="SI"/>	The department and PLU prices are reset.

After pressing the following key combination, the grand total is reset. It is only executed when the Full Z-report was printed out beforehand.

<input type="button" value="NS"/>	CLEAR appears in the display.
<input type="button" value="ST"/>	The grand total is deleted.

After pressing the following key combination, the total sales is deleted.

<input type="button" value="EG"/>	CLEAR appears in the display.
<input type="button" value="ST"/>	The total sales is deleted.

After pressing the following key combination, the electronic journal is deleted.

<input type="button" value="Jup Receipt"/>	CLEAR appears in the display.
<input type="button" value="ST"/>	The electronic journal is deleted.

After pressing the following key combination, the programmed prices are converted to EURO. It can only be executed when all the Z-reports were printed out beforehand.

4 **0** **6** **8** +

Programmed prices are converted to EURO.

Set grand total

Max. 13 digits +

The grand total entered is stored.

Set Z-report counter

1 + max. 4 digits +

The value entered for the Z-report counter is stored.

■ Printing all programmed settings

It is possible to print out all the settings currently programmed on the receipt paper. Carry out the following steps.



Set the key to position PRG

Note:

Ensure that there is sufficient paper on the receipt roll.
 The printout of department and PLU reports can be stopped at any time by pressing .

Print basic program settings



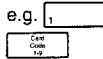
Flag is called in
 The basic program settings are printed out

Print tax rates



The tax rate program is called in
 The tax rates are printed

Print departments



The department program is called in
 All the departments are printed

Print PLU numbers



The PLU program is called in
 The PLUs are printed out

Print PLUs for selected PLU number range

First PLU No. +

The start of the range is defined (e.g. 20).

Ent - End appears in the display

Last PLU No. +

The end of the range is defined (e.g. 30) and the PLU range defined is printed

Print currencies



The Currency Conversion Program is called in
 The currencies are printed

■ Programming the basic program

In order to set the individual flags, carry out the steps described below.



Set the key to position PRG



The basic program is activated.

e.g.

'01' appears on the left side of the display for Flag 01



Enter the required digits

Store the setting and move on to the next flag. '02'

appears on the left side of the display for Flag 02

Program the other flags in the same way

Conclude programming and exit programming mode



■ Modifying a single flag

Each flag can be selected directly, e.g. Date.



Set the key to position PRG

Enter the flag number for setting the date



Open the basic program for the Date flag

e.g.

Enter the date



Store the setting



Conclude programming and exit programming mode

■ FLAG table

FLAG 01 Tax rate - Date format - Decimal places

3 2	= Recommended setting
0	= Net price (excluding tax); Date (MM-DD-YY)
1	= Net price (excluding tax); Date (DD-MM-YY)
2	= Gross price (including tax); Date (MM-DD-YY)
3	= Gross price (including tax); Date (DD-MM-YY)
0	= No decimal places
1	= One decimal place
2	= Two decimal places
3	= Three decimal places

FLAG 02 Electronic journal/Price rounding

3 1	= Recommended setting
0	= No journal
1	= LINE: Only registrations are stored; journal must be printed before Z-reports
2	= CUS: All registrations, totals and headers are stored; journal must be printed before Z-reports
3	= LINE: Only registrations are stored
4	= CUS: All registrations, totals and headers are stored
0	= Paper reel motor switched off
1	= Paper reel motor switched on

FLAG 03 Tax rounding

0	= Recommended setting
0	= Standard 5/4 rounding (1.114 = 1.11) (1.115 = 1.12)
1	= Absolute rounding up (1.111 = 1.12)
2	= Absolute rounding down (1.119 = 1.11)

FLAG 04 Receipt header display

0	= Recommended setting
0	= Machine no., Receipt no., Clerk, Date, Time
1	= Date, Time
2	= Machine no., Receipt no., Clerk, Time
3	= Time
4	= Machine no., Receipt no., Clerk, Date,
5	= Date,
6	= Machine no., Receipt no., Clerk
7	= No header

FLAG 05 Representation of Z-reports

0	= Recommended setting
Reset receipt no. after Z-report	
0	= All report information is printed
1	= Grand Total is <i>not</i> printed
2	= Consec. Z-report no. is <i>not</i> printed
3	= Grand Total + report no. are <i>not</i> printed
No receipt no. reset after Z-report	
4	= All report information is printed
5	= Grand Total is <i>not</i> printed
6	= Consec. Z-report no. is <i>not</i> printed
7	= Grand Total + report no. are <i>not</i> printed

FLAG 06 Date

2 0 0 6 2 0 0 1	= E.g. 20 June 2001 = (DD-MM-YYYY)
------------------------	---------------------------------------

FLAG 07 Time

1 4 3 0	= E.g. 14:30 (hour:minute)
----------------	----------------------------

FLAG 08 Consecutive machine number

0 0	= Recommended setting
------------	-----------------------

Numbers from 00 to 99 are possible

FLAG 09 Multi-function flag

1 0 1 3	= Recommended setting
0	= Self-test: no
1	= Self-test: yes
0	= Not compulsory to enter the change
1	= Compulsory to enter the change
0	= 20 departments; 2nd level activated
1	= 10 departments; 2nd level deactivated
3	= Receipt paper feed (entry of 0 to 9 lines is possible)

FLAG 10 Consecutive receipt no.

0 0 0 1	= Enter a 4-digit code between 0 and 9999
----------------	---

FLAG 11 to FLAG 25 Clerk code for 1 to 15 clerks

0 0 0 1	= Enter a 4-digit code between 0 and 9999
----------------	---

FLAG 26 Fixed premium percentage

1 0 5 0	= Example for 10.5% (surcharge); always enter a 4-digit number without decimal point
----------------	---

FLAG 27 Fixed discount percentage

0 2 5 0	= Example for 2.5% (discount); always enter a 4-digit number without decimal point
----------------	---

FLAG 28 Duplicate receipt - Printer on/off - Rounding

3 0 0	= Recommended setting
0	= No dup. receipt; no compulsory clerk log-in; no percentage display in report
1	= Duplicate receipt; no compulsory clerk log-in; no percentage display in report
2	= No dup.; no compulsory clerk log-in; percentage display in report
3	= Duplicate receipt; no compulsory clerk log-in; percentage display in report
4	= No dup. receipt; compulsory clerk log-in; no percentage display in report
5	= Duplicate receipt; compulsory clerk log-in; no percentage display in report
6	= No dup. receipt; compulsory clerk log-in; percentage display in report
7	= Duplicate receipt; compulsory clerk log-in; percentage display in report
0	= Printer on, unit price display
1	= Printer off, unit price display
2	= Printer on, unit price display for 0.5 sec., then total amount
3	= Printer off, unit price display for 0.5 sec., then total amount
0	= Standard rounding 5/4
1	= Scandinavian rounding (0-0.24=0.00; 0.25-0.74=0.50; 0.75-1=1.00)
2	= Swiss rounding (0,1,2 = 0; 3,4,5,6,7 = 5; 8,9 = 10)
3	= Danish rounding (0-0,12=0.00; 0.13- 0.37=0.25; 0.38-0.62=0.50; 0.63-0.87=0.75; 0.88-1.12=1.00)

FLAG 29

Password for X-report

0 0 0 0 = No password / Password 0001 to 9999**FLAG 30**

Password for Z-report

0 0 0 0 = No password / Password 0001 to 9999**FLAG 31**

Password for monthly (periodical) report

0 0 0 0 = No password / Password 0001 to 9999**FLAG 32**

Password for programming

0 0 0 0 = No password / Password 0001 to 9999**FLAG 33**

Password for EC/Void, NS/#, Refund and PO keys

0 0 0 0 = No password / Password 0001 to 9999**FLAG 34**

Highest acceptable check amount - compulsory entry

0 4 0 0 0 0 = Example for £400.00.
Enter the amount without a decimal point**FLAG 35**

Fixed tender (lower cash tender key)

0 0 0 5 0 0 = Example for £5.00;
a 4-digit number without decimal point**FLAG 36**

Fixed tender (cash tender key)

0 0 1 0 0 0 = Example for £10.00;
a 4-digit number without decimal point**FLAG 37**

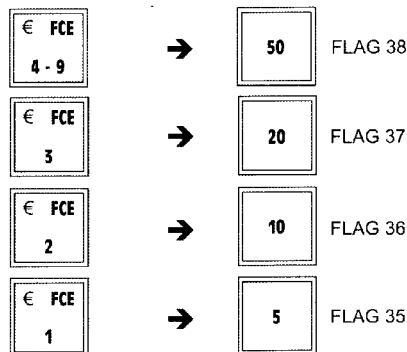
Fixed tender (cash tender key)

0 0 2 0 0 0 = Example for £20.00;
a 4-digit number without decimal point**FLAG 38**

Fixed tender (upper cash tender key)

0 0 5 0 0 0 = Example for £50.00;
a 4-digit number without decimal point**FLAG 39 Euro conversion activated/deactivated**

1 1 1 1 1 0	= Recommended setting
0	= Bottom cash tender key
1	= € FCE1 key
0	= Second cash tender key from bottom
1	= € FCE2 key
0	= Second cash tender key from top
1	= € FCE3 key
0	= Top cash tender key
1	= € FCE4-9 key
0	= Euro course is not printed
1	= Euro course is printed
0	= Exchange rate is not printed
1	= Exchange rate is printed

Activate FCE or Cash Tender key**Euro conversion**

Euro in the period 01.01.1999-31.12.2001

FLAG 39 = 11111x (x = 0 or 1); FLAG 59 = 0

When programming the basic exchange rate, enter yy2xxxxxx, e.g.:

2

Euro in the period 01.01.2002-28.02.2002

FLAG 39 = 11110x (x = 0 or 1); FLAG 59 = 1

When programming the basic exchange rate, enter yy2xxxxxx, e.g.:

2**Foreign Currency Exchange rates (FCE)**

FLAG 39 = 11110x (x = 0 or 1); FLAG 59 = 0

When programming the basic exchange rate, enter yy2xxxxxx if the normal exchange rate is to be used. E.g.:

2**FLAG 40**

Receipt on/off; Clerk code on/off

0 0	= Recommended setting
0	= Receipt on/off key is activated; Receipt printing is on
1	= Receipt on/off key is deactivated
0	= Clerk key is activated
1	= Clerk key is deactivated

FLAG 41

Logo print / Switching levels

0 0	= Recommended setting
0	= Switch levels only on pressing the 2nd level key
1	= Automatic reset to level 1
0	= Logo print is activated
1	= Logo print is deactivated

FLAG 42

Password for Training mode

0 0 0 0 = No password / Password 0001 to 9999

FLAG 43 Reset/Not reset grand total

0 = Recommended setting
 0 = Grand total not reset after full report
 1 = Grand total reset after full report

FLAG 44 Sub total multiple printout

1 = Recommended setting
 0 = Multiple printout possible
 1 = One printout possible

FLAG 45 Reset/Not reset Z-report counter

0 = Recommended setting
 0 = Z-report counter not reset after Z-report
 1 = Z-report counter reset after Z-report

FLAG 46 Tax printout on receipt

0 = Recommended setting
 0 = Tax printout on receipt activated
 1 = Tax printout on receipt deactivated

FLAG 47 Short / Long reports

1 = Recommended setting
 0 = Only print registered data in X/Z
 1 = Print all data in X/Z

FLAG 48 Item counter on receipt

1 = Recommended setting
 0 = Item counter printing on receipt activated
 1 = Item counter printing on receipt deactivated

FLAG 49 +% / -% result registration in department

0 = Recommended setting
 0 = +% / -% result registered in department
 1 = +% / -% result not registered in department

FLAG 50 Receipt / Journal mode

0 = Recommended setting
 0 = Receipt mode (with stamp print)
 1 = Journal mode (without stamp print)

FLAG 51 Compulsory calculation

0 = Recommended setting
 0 = Compulsory calculation deactivated
 1 = Compulsory calculation activated

FLAG 52 Open cash register drawer

0 = Recommended setting
 0 = Cash register drawer opens on concluding receipt by pressing Cash , Check , Card Code , Charge
 1 = Cash register drawer does not open on concluding receipt by pressing Check , Card Code , Charge

FLAG 53 Detailed/Total tax printout on receipt

0 = Recommended setting
 0 = Detailed tax printout on receipt
 1 = Only tax total printed on receipt

FLAG 54 Reserved

FLAG 55 Tax mode

2 = Recommended setting
 0 = Reserved
 1 = Reserved
 2 = European tax system

FLAG 56 12/24-hour format

0 = Recommended setting
 0 = 24-hour format
 1 = 12-hour format

FLAG 57 Reserved

FLAG 58 Reserved

FLAG 59 Basic currency setting

0 = Recommended setting
 0 = Country's currency is local currency
 1 = EURO is local currency

■ Programming the tax rate

Departments can be assigned to four different tax rates.
This program is used to define the percentage value of the tax rates.



Set the key to position PRG

PO

The tax rate program is opened

E. g. 1 6 0 0 0 0

Enter the tax rate (e.g.: 16%)

160000

ST

Store the tax rate and enter the value for the next tax rate

Cash

Close the tax rate program

Note:

The tax rate entered must have 6 digits.

■ Programming departments

In order to categorize the range of products, items can be assigned to departments. In turn, the departments can be combined to form groups. E.g. the "dairy products", "confectionery" and "spreads" departments can be assigned to the "foods" group (20 superordinated groups can be defined).

Programming is performed in two steps; the price and the assignment must be specified.

Define the price

01

Indicates the department

P

Indicates the price mode

0000123

Space for entering the fixed price (max. 8 digits; enter without decimal point)

ST

Move to the next setting

Note:

Use to display and program the 8-digit price:

Define the assignment

01

Indicates the department

F

Indicates the function mode

0

0 = Price is added (4 = no price printout / but is added in the receipt sum; 8 = price is subtracted e.g. returned deposit)

0

0 = no tax (1 = tax rate 1; 2 = tax rate 2; 3 = tax rate 3; 4 = tax rate 4)

01

01 = group; assignment of the department to a group

(Groups 01 to 20)

0

0 = itemized receipt (1 = individual receipt only on first entry; 2 = department locked;

4 = department can be overwritten with zero ("free sample")

6

8 = maximum number of digits for a price (0 to 6)

01F 011906

The adjacent diagram is an example for Department 01 (from left to right): 0 = price is added; 1 = tax rate 1; 19 = group 19; 0 = itemized receipt; 6 = 6-digit price entry



Store assignment
Close the department program

An example for department 1 (e.g. household goods) is provided below.



Set the key to position PRG



Open the department program

E. g. 1 2 9 9

Enter the fixed price (without decimal point)

01P0001299



Store the fixed price

e. g. 0 1 1 9 0 6

Enter the assignment (0 = price is added;
1 = tax rate 1; 19 = group 19; 0 = itemized receipt; 6 =
number of digits for a price)

01F 011906



Store the assignment and move to the next
department



Close the department program

■ Programming the Coupon key

When programming the departments, a further department appears after the last has been completed. Entries made at this point are assigned to the Coupon key.



Set the key to position PRG

To program this key directly, press:



The department program is activated

The programming process is the same as that for the departments. In order that this key can register a fixed discount during a transaction, enter the "fixed discount amount" in *price mode* and "subtract amount" (8) and required tax rate in *function mode*.

Example of a function mode: 810007

■ Programming PLU numbers

Each individual item (PLU) can be assigned a number and also assigned to a previously selected department. Programming is performed in two steps; the price and the assignment must be specified.

001
0000123

Define the price


Indicates the PLU number

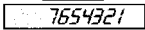

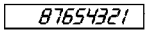


Space for entering the price (max. 8 digits; enter without decimal point)

ST

Move to the next setting

Note:

Use  to display and program the 8-digit price:

001
F
19
00
8

Define the assignment

Indicates the PLU number

Indicates the function mode

Group assignment (01 to 20)

0 = itemized receipt (1 = single item; 2 = PLU locked out)

8 = maximum number of digits for a price (0 to 8)

ST

Store assignment

Cash

Close the PLU program

An example of a PLU is provided below:



Set the key to position PRG

PLU

Activate the PLU program






e.g.    

Enter the fixed price (without decimal point)

0010000500

ST

Store the fixed price

e.g.     

Enter the assignment (01 = department 1;

0 = itemized receipt; 8 = maximum number of digits for a price)

001F 0108


ST

Store the assignment and move to the next PLU number

Cash

Close the PLU program

■ Modifying and adding PLU numbers

Any specific PLU number can be modified or a new one added; simply select the relevant PLU directly or one which has not yet been assigned and press the  key.

Then proceed as described above.

■ Programming currency conversion

Up to nine different currencies and their conversion factors can be programmed in order to convert an amount or total sum of a transaction. Programming is performed in two steps; the conversion factor and the number of decimal places for the conversion factor must be defined. Also refer to the Flag Table (Flags 39 to 59). It is necessary to distinguish between three cases:

Note:

The conversion factors for the currencies must be entered as six-digit values. The following currency conversions relate to the German exchange rate for the Euro.

■ Euro in the period 01.01.1999 - 31.12.2001

Local currency = DM.

FLAG 39 and FLAG 59 must have the following settings:

FLAG 39 = 11111x (x = 0 or 1)

FLAG 59 = 0

The FCE keys (Foreign Currency Exchange) are programmed as follows:

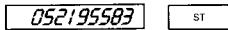


Set the key to position PRG

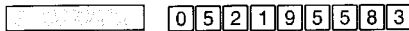


Activate the currency conversion program

Define the conversion factor for **EC card** payments in DM. 0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the Euro



Move to the next setting

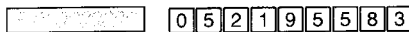


Define the conversion factor for **check** payments in DM

0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the Euro



Move to the next setting



Define the conversion factor for **cash** payments in Euro and Euro table (three-way currency conversion)

0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the Euro



Move to the next setting

Define the conversion factor for the first foreign currency (e.g. Belgian Francs, BFR)

1 = compulsory entry; 4 = decimal places of the six-digit conversion factor; 2 = decimal point for the foreign currency

Move to the next setting

Enter foreign currencies 5 to 9 correspondingly

Close the currency conversion program

■ Euro in the period 01.01.2002 - 28.02.2002

Local currency = Euro

FLAG 39 and FLAG 59 must have the following settings:

FLAG 39 = 11110x (x = 0 or 1)

FLAG 59 = 1

The FCE keys (Foreign Currency Exchange) are programmed as follows:



Set the key to position PRG

Activate the currency conversion program

Define the conversion factor for **EC card** payments (FCE 1)

0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the currency (DEM)

Move to the next setting

Define the conversion factor for **check** payments (FCE 2)


0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the currency (DEM)

Move to the next setting


Define the conversion factor for **cash** payments in DEM and Euro table (three-way currency conversion, FCE 3)

0 = compulsory entry; 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the currency (DEM)

Move to the next setting



Define the conversion factor for the first foreign currency (e.g. Belgian Francs, BFR)
 0 = compulsory entry; 4 = decimal places of the six-digit conversion factor; 2 = decimal point for the foreign currency



Move to the next setting



Enter foreign currencies 5 to 9 correspondingly
 Close the currency conversion program

■ General currency conversion

FLAG 39 and FLAG 59 must have the following settings:

FLAG 39 = 11110 (x = 0 or 1)

FLAG 59 = 0

Example of currency conversion with the exchange rate 1 \$ = 1,78562 DM. The exchange rate has 6 significant places.

The FCE keys (Foreign Currency Exchange) are programmed as follows:



Set the key to position PRG



Activate the currency conversion program

Define the conversion factor for the first foreign currency (e.g. US Dollar)

0 = compulsory entry (assuming the normal conversion factor has been entered); 5 = decimal places of the six-digit conversion factor; 2 = decimal point for the foreign currency



Move to the next setting



Enter foreign currencies 2 to 9 correspondingly
 Close the currency conversion program

Error messages: operation

Error messages appear in the display and an acoustic signal is issued as a result of incorrect operation.

Error message is cleared

Error message**Cause**

E00	Incorrect key pressed
E01	Incorrect key operation sequence
E02	Manually entered PLU is incorrect or the maximum number of digits which may be entered has exceeded the permitted limit
E03	Result exceeds permitted number of digits or is zero
E04	Access to, or operation using departments/PLUs is rejected or maximum number of digits which may be entered has exceeded the permitted limit
E05	Result (price) is negative
E10	Printer memory is full
E20	Transaction memory is full or there is insufficient foreign currency in the cash drawer for the change required
EJ (EJ-FULL)	Electronic journal memory is full
E22	The data in the electronic journal was not printed prior to the Z-reports
LOG- - - -	Four digit clerk code must be entered
EJ END	Electronic journal memory is almost full

Error message: printer

In the case of a printer error, the message **Prn - J** appears. Switch the cash register off immediately and disconnect the power plug.

Check that the paper rolls and ribbon are correctly inserted, whether the paper or ribbon are damaged or objects have fallen into the printer mechanism.

Remove them if they have.

Caution:

Remove any objects very carefully. Do not use knives, screwdrivers or similar tools to help. Never use force. This may damage the printer mechanism.

Switch the cash register on again and press .

Carry out a new registration.

If **Prn - J** appears in the display again, contact your authorized service center.

In an emergency, the cash register can be operated without a printer (refer to basic program Flag 28).

■ Options

■ Keypad cover

The cash register keypad can be protected from moisture and dust by means of a keypad cover.

■ Cash drawer trays

■ Bill testing unit

■ Self-tests

It is possible to program the machine to permit self-tests (Flag 9).

The self-tests check individual cash register components.

1	POR	Tests the display
2	POR	Tests the keypad
3	POR	Tests the printer
4	POR	Tests the logo print
5	POR	Tests the cash register drawer
6	POR	Tests all the display segments simultaneously

■ Technical data

Keys	49
Groups	20
Departments:	10 or 20
PLUs:	500
Display:	Two 10-digit displays, for the customer and the clerk
Printer:	Speed: Approx. 3 lines/second Paper roll: 57 mm wide, Ø 70 mm Ribbon: Black
Noise level:	$L_{PA} < 72$ dB
Dimensions and weight:	Height: 285 mm (350 mm) Width: 405 mm Depth: 422 mm Weight: Approx. 11 kg
Safety tests:	Complying with EN 60 950, (IEC 950)
Power consumption:	Operation: 21.2 W Standby: 10.8 W
Power supply:	230 V, 50 Hz

- 2nd level key 12
- Bill testing unit 54
- By check 26
- Cash drawer trays 54
- Cash key 13
- Cash register drawer 9
- Cash tender keys 14, 29
- Check key 14
- Claims for damage 6
- Clear key 14, 15
- Clear programmed settings 40
- Clerk display 9
- Clerk ID key 15
- Connection to the power supply 6
- Convert prices to EURO 41
- Coupon key 14
- Credit-card key 13
- Currency conversion keys 14
- Currency Conversion Program 50
- Customer display 9
- Decimal fractions 19
- Default 40
- Default state 40
- Delete electronic journal 40
- Deleting the journal 38
- Deleting total sales 40
- Department keys 12
- Department price override 17
- Department registration 16
- Department shift key 12
- Discount key 15
- Discounts, as a percentage 24
- Discounts, fixed 25
- Display 10
- Display change 20
- Duplicate receipt 15
- Duplicate receipt key 15
- Electronic journal 38
- Enter clerk code 28
- Error correct 27
- Error correction and void 27
- Error correction key 14
- Error message printer 53
- Error messages 53
- Euro in the period 01.01.2000-31.12.2001 50
- Euro in the period 01.01.2002-28.02.2002 51
- Financial report, X 35
- FLAG table 44
- Full clerk report, X 36
- Full department report, X 33
- Full PLU report, Z 37
- Full X-report 36
- Full Z-report 37
- General currency conversion 52
- General information 6, 40
- Grand Total 40
- Hourly report, X 35
- Hourly report, Z 37
- Important transport note 6
- Insert paper roll 7
- Intended use 6
- Key functions 12
- Key-operated switch 9, 11
- Keypad 9, 12
- Keypad cover 54
- Lock cash register electronically 29
- Logo stamp plate 9
- Machine view 9
- Mains voltage 6
- Miscellaneous 28
- Modifying a single flag 43
- Modifying and adding PLU numbers 49
- Monthly report 37
- No sale key 13
- Numeric keys 12

- Open cash register electronically 29
Open cash register manually 29
Options 54
- Paid out key 14
Paid out, cash 26
Paper reel 8, 9
Passwords 29
PLU key 13
PLU override key (POR) 13
PLU price override 18
PLU registration 17
PLU report, full, X 34
PLU report, range, X 34
PLU report, single, X 33
Premium key 15
Premiums 23
Print duplicate receipt 29
Printer 7, 9
Printer lid 9
Printing all programmed settings 42
Printing the journal 38
Programming currency conversion 50
Programming departments 47
Programming PLU numbers 49
Programming the basic program 43
Programming the Coupon key 48
Programming the tax rate 47
- Receipt on/off key 15
Receipt paper feed key 15
Received on account 26
Received on account key (RA key) 14
Refund key 14
Refund/Returned goods cancellation 28
Register different amounts 17
Register split payments 22
Register types of payment 21
Registration by multiplication 19
Registration of different types of payment 21
Registrations 16
Repeated PLU registration 18
Reports 31, 32
Reports with memory deletion, Z 37
Reports without memory deletion, X 31, 32
Ribbon 9
- Safety note 6
Safety notes 6
Self-tests 54
Service center 6
Set grand total 41
Set Z-report counter 41
Single clerk report, X 36
Single department report, X 32
Split payment 22
Subtotal key 14
- Technical data 55
Time display 28
Time/Date key 13
Training mode 16
Transport protection locks 6
- Unlock cash register electronically 29
- Void 27
Void key 15
- X-reports 31, 32
- Z-reports 37