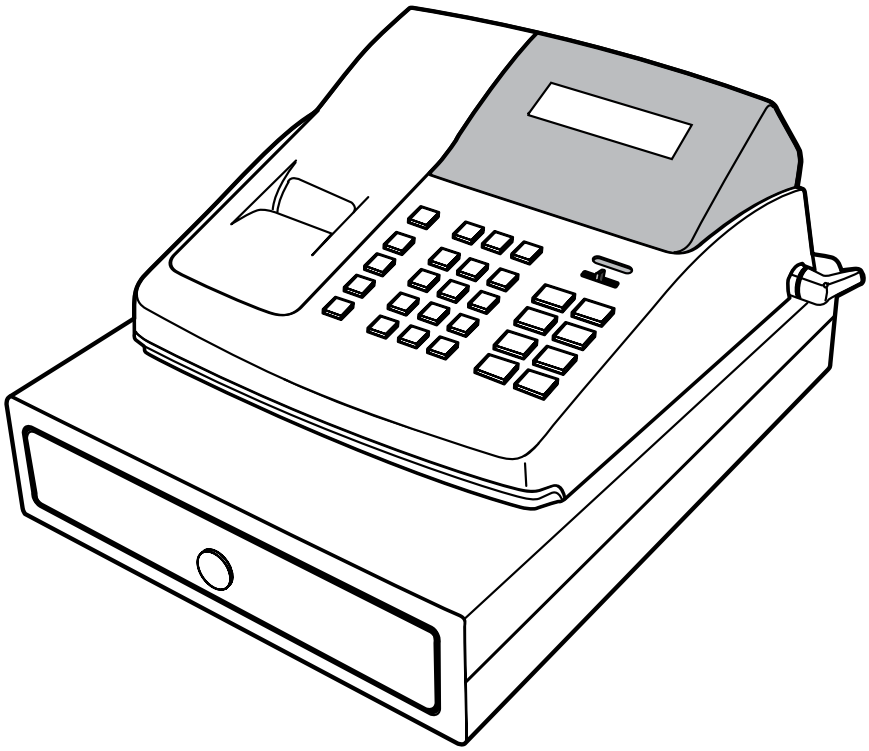
SAM4S

ER-150II

OPERATION MANUAL



ELECTRONIC CASH REGISTER

All specifications are subject to change without notice.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

TABLE OF CONTENTS

INITIAL SET UP INSTRUCTIONS 1

UNPACK THE CASH REGISTER 1
CLEAR RANDOM ACCESS MEMORY (RAM) AND INITIALIZE CASH REGISTER 1
LOAD PAPER 2
HOW TO REPLACE THE INK ROLLER 3

FEATURES 4

MODE SWITCH 4
DISPLAY 4
KEYBOARD 5
KEY FUNCTIONS 5

PROGRAMMING 7

TAX, DECIMAL POINT INFORMATION 7
DEPARTMENT STATUS 7
TAX RATE 8
SETTING THE PERCENT (%) KEY 8
SETTING THE MACHINE NUMBER 8
RECEIPT PRINT / JOURNAL PRINT 9
ROUNDING OPTION 9
SYSTEM OPTIONS 10
OPTION 1 10
OPTION 2 10

SETTING THE DATE 11

REGISTER MODE OPERATIONS 11

NO SALE OPERATIONS 12
NON ADD NUMBER ENTRIES 12
DEPARTMENT OPERATION 13
MULTIPLE ITEM DEPARTMENT ENTRY 13
SINGLE ITEM DEPARTMENT SALES 13
MINUS (–) KEY OPERATION 14
MULTIPLE MINUS OPERATION 14
MINUS SINGLE OPERATION 14

Downloaded from www.Manualslib.com manuals search engine

PERCENT DISCOUNT OPERATION 15
PERCENT DISCOUNT ON ITEM 15
PERCENT DISCOUNT ON ENTIRE SALE 15
MERCHANDISE RETURN OPERATION 16
VOID OPERATION 16
LAST ITEM VOID / ERROR CORRECT 16
PREVIOUS ITEM VOID 17
TENDERING OPERATION 17
CASH TENDER 17
AMOUNT TENDERED ON CASH 17
CHARGE TENDER 18
SPLIT TENDER 18
RECEIVED ON ACCOUNT (RA) OPERATION 18
PAID OUT (PO) OPERATION 18
CALCULATOR OPERATION 19

MANAGEMENT REPORTS AND BALANCING 20

CASH IN DRAWER DECLARATION 20
FINANCIAL DAILY REPORT 21
P-T-D GRAND TOTAL REPORT 21
SYSTEM BALANCING 22

MAINTENANCE 22

SPECIFICATIONS 23

DIMENSIONS 23
DRAWER 23
MODE KEY 23
KEYBOARD 23
PRINTER 23
DISPLAY 23
POWER 23

Downloaded from www.Manualslib.com manuals search engine

INITIAL SET UP INSTRUCTIONS

The following instructions describe how to unpack and start up the cash register.

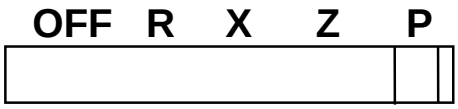
UNPACK THE CASH REGISTER

1. Unpack and unwrap cash register.

2. Locate in the packing the following items.
   * 1 roll of paper
   * 1 rewind spindle (for journal tape)

CLEAR RANDOM ACCESS MEMORY (RAM) AND INITIALIZE CASH REGISTER

1. Place mode switch in **P** position.



2. Connect the AC plug into a power outlet **while pressing the ″C″ and ″00″ keys.**

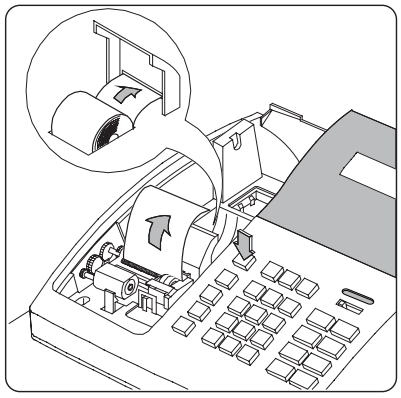
3. Then, RAM is cleared and cash register prints the symbol ″.....″.

NOTE : This is a one time only procedure to be performed after the battery is installed. DO NOT CLEAR RAM ONCE THE CASH REGISTER IS PROGRAMMED. TO DO SO WOULD CAUSE ALL PROGRAMS AND TOTALS TO BE LOST.

Downloaded from www.Manualslib.com manuals search engine

LOAD PAPER

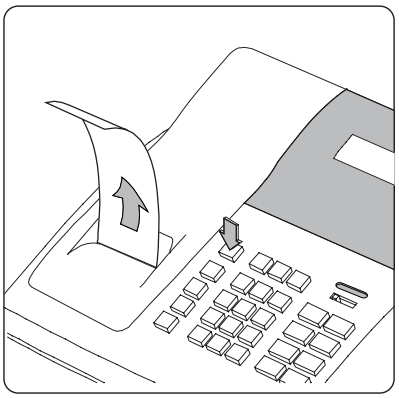
1.Cut or tear the end of a single paper tape evenly for proper feeding through the print head.



2. Place paper roll in the paper holder and insert the paper end straight into the paper inlet of the printer.

3. Depress the ″**FEED**″ key until the paper catches and advances through the printer.

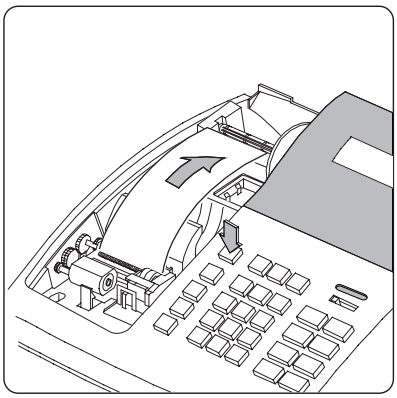
4. If the paper does not feed through the printer, make sure the paper was entered properly, insert end of paper tape.



FOR RECEIPT ONLY...

5. Pass the paper through the receipt window of the printer cover. Replace over printer compartment.

FOR JOURNAL ONLY...



6. Route paper over top of paper guide insert in the slot of the take-up spool.

7. Press ″**FEED**″ key to wind paper securely onto spindle.

8. Replace printer cover.

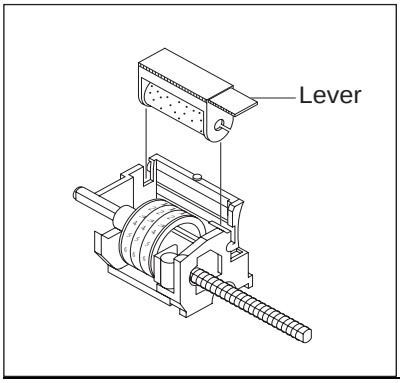
Downloaded from www.Manualslib.com manuals search engine

HOW TO REPLACE THE INK ROLLER

The ink roller is a one-time article. Re-inking roller can cause damage to the printer and void warranty. Do not re-ink. When the print becomes faint, replace the ink roller as follows.

1. Remove the old roller by lifting of it.

2. Fit the new ink roller completely.



Downloaded from www.Manualslib.com manuals search engine

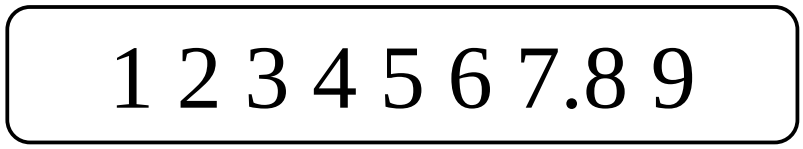
FEATURES

MODE SWITCH

OFF - Turns the cash register off. Any key can not be accessed.
R - To enter transaction.
X - To read financial report and C-I-D declaration.
Z - To read financial reports and reset totals to zero.
P - To program.

DISPLAY

The display features fluorescent digits providing the customer with information about operation of the cash register. During operations, the display will show the following symbols. All these symbols appear in position
1 of the display.

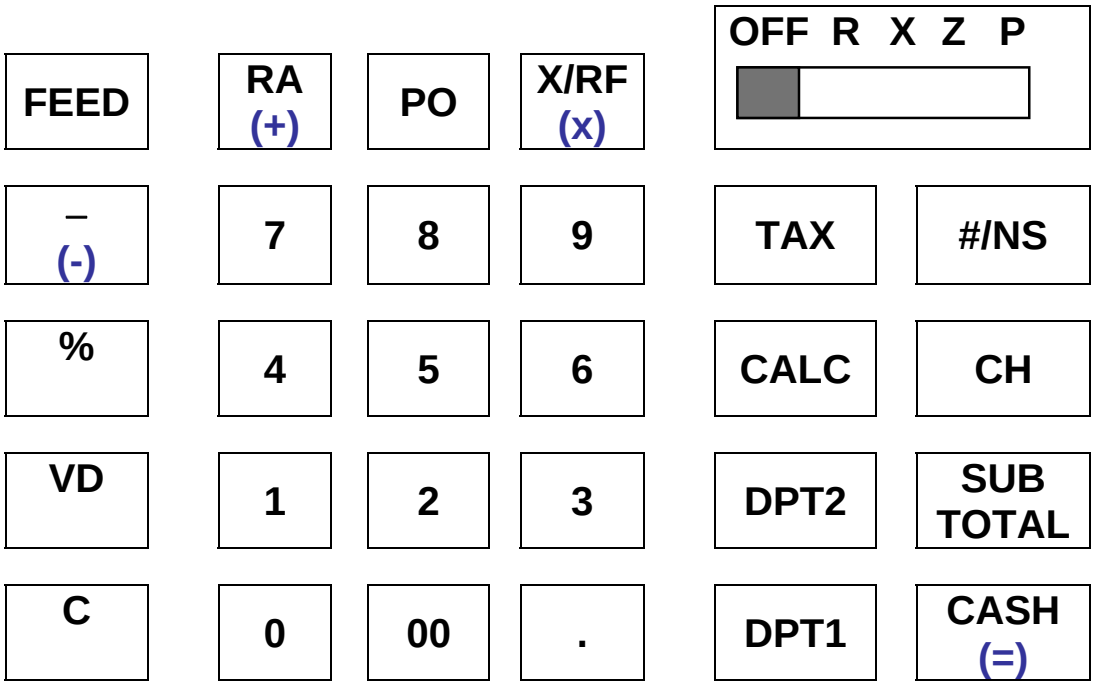


C : Indicates the amount displayed is due in change.
= : Indicates the amount displayed is the a total.
- : Indicates the amount displayed is a negative.
E : Indicates an error condition.
Press the **"C"**key to clear error condition.
S : Indicates the amount displayed is a subtotal.

Downloaded from www.Manualslib.com manuals search engine

Downloaded from www.Manualslib.com manuals search engine

KEYBOARD



KEY FUNCTIONS

FEED Used to advance printer paper.

0 - 9, 00 Used to enter the number.

DPT1 These keys classify the items sold and
DPT2 memorize the quantities and amounts in their own memories.

X/RF Used for multiplication entry. (X)
To allow for the return of merchandise by department. (RF)

PO To register any money paid out.

RA To register any money received on account.

Downloaded from www.Manualslib.com manuals search engine

–	To register an amount minus or coupon.
%	To register a percent discount (-%) or surcharge (+%) on an item or on a sale.
VD	To correct entries before a sale is finalized.
C	To clear incorrect entries made on the numeric keys. Also to clear error conditions and silence the error tone.
TAX	To program the tax rate in P mode. Also to enter the rate of tax in external straight tax method in R mode.
#/NS	To print the reference number or to open the cash drawer outside of a sale.
CH	To finalize the transaction in charge sales.
SUB TOTAL	To obtain the subtotal of a sale.
CASH	To finalize cash sale and change calculation.
CALC	To start calculation mode in R MODE.
RA	To add (In the calculation mode).
X/RF	To multiply(In the calculation mode).
-	To subtract(In the calculation mode).
CASH	To Calculate and display result (In the calculation mode).

Downloaded from www.Manualslib.com manuals search engine

PROGRAMMING

Read this entire section carefully to program the machine to the most preferable set-up according to your store system.

* MODE SWITCH POSITION : P *

TAX, DECIMAL POINT INFORMATION

N1	N2	**X/RF**

	VALUE
N1	0 = 2 decimal 1 = non decimal 2 = 1 decimal 3 = 3 decimal
N2	0 = VAT 1 = add-on tax 2 = external straight tax

DEPARTMENT STATUS

N1	**DPT1** or **DPT2**

N1	In case VAT, add-on tax	In case external straight tax
0	Non single, non tax	Non single
1	Non single, tax1	Single
2	Non single, tax2	
3	Single, non tax	
4	Single, tax1	
5	Single, tax2	

Downloaded from www.Manualslib.com manuals search engine

TAX RATE

N1	N2	N3	N4	N5	N6	**TAX**

	VALUE	COMMENTS
N1-N5	0.000 - 99.999	Tax rate
N6	0	External straight tax
	1	Tax1 (VAT or add-on)
	2	Tax2 (VAT or add-on)

SETTING THE PERCENT(%) KEY

N1	N2	N3	N4	N5	N6	**%**

	VALUE	COMMENTS
N1-N5	0.000 - 99.999	Percent rate
N6	0	-%
	1	+%

SETTING THE MACHINE NUMBER

N1	N2	**#/NS**

2 DIGITS

Downloaded from www.Manualslib.com manuals search engine

RECEIPT PRINT / JOURNAL PRINT

N1	N2	**SUB TOTAL**

	VALUE	COMMENTS
N1	0 1	Taxable, tax amount print Taxable, tax amount not print
N2	0 1	Receipt Mode Journal Mode

RECEIPT ON/OFF

N1	**CALC**

	VALUE	COMMENTS
N1	0 99	Receipt on Receipt off

ROUNDING OPTION

N1	–

N1	COMMENTS
0	European Rounding Not use
1	European Rounding Use

Downloaded from www.Manualslib.com manuals search engine

SYSTEM OPTIONS

OPTION 1

N1	N2	N3	N4	N5	**RA**

NO	OPTION	VALUE = 0	VALUE = 1
N1	CASH DECLARATION	NOT COMPULSORY	COMPULSORY
N2	ZERO SKIP IN REPORT	NOT SKIP	SKIP
N3	Z REPORT REPEAT	NOT REPEAT	REPEAT
N4	RF / VD / GROSS TOTAL PRINT IN REPORT	PRINT	NOT PRINT
N5	SUBTOTAL PRINT	PRINT	NOT PRINT

OPTION 2

N1	N2	N3	N4	N5	**PO**

NO	OPTION	VALUE = 0	VALUE = 1
N1	GRAND TOTAL TO PRINT	PRINT	NOT PRINT
N2	GRAND TOTAL RESET AFTER Z REPORT	NOT RESET	RESET
N3	Z COUNTER RESET AFTER Z REPORT	NOT RESET	RESET
N4	CONSECUTIVE NUMBER AFTER Z REPORT	NOT RESET	RESET
N5	DATE PRINT	PRINT	NOT PRINT

Downloaded from www.Manualslib.com manuals search engine

SETTING THE DATE

- SET MODE SWITCH TO THE ″**P**″ POSITION.

To program the time, press the 4 digit number keys then press the “**CASH**”key.
To program the date, press 6 digit number keys then press the ″**CH**″ key.

		H	H	M	M	**CASH**
M	M	D	D	Y	Y	**CH**

Ex) TO DATE TO BE PROGRAMMED IS OCTOBER 9,2006
TO TIME TO BE PROGRAMMED IS 17:25

1	**0**	**0**	**9**	**0**	**6**	**CH**	**09-10-06**
		1	**7**	**2**	**5**	**CASH**	**17-25**

REGISTER MODE OPERATION EXAMPLES

- MODE SWITCH SET TO ″**R**″ POSITION

This section provides examples of practice in the register mode. When an error occurs, the symbol ″E″ will appear on the display accompanied by an error tone. Clear this error condition by pressing the ″**C**″ key.
The Error prompt may indicate an incorrect key has been entered, or a compulsory function has been performed.

Downloaded from www.Manualslib.com manuals search engine

SAMPLE RECEIPT

VAT version

```
09-10-06
      1.00TX1
      2.00NT2
      3.00CA
      1.00TX
      0.04TX
      2.00NT
      0.11NT
   001-77
```

Add - on tax version

```
09-10-06
      1.00TX1
      2.00NT2
      1.00TX
      0.05TX
      2.00NT
      0.12NT
      3.00CA
   001-77
```

- Following example are based on VAT version.

NO SALE OPERATION

A no sales operation opens the cash drawer outside of a sale. The financial report records the no sale activity counter.

#/NS

```
●●●●●●●●  NS
   002-77
```

NON ADD NUMBER ENTRIES

The **"#/NS"** key can be used to enter up 7 digits. The entry can be made prior to any operation in the register mode. This numeric entry will not add to any activity counts or totals.

1 **2** **3** **4** **5** **6** **7** **#/NS**

```
12345.67  #
```


Downloaded from www.Manualslib.com manuals search engine

DEPARTMENT OPERATION

MULTIPLE ITEM DEPARTMENT ENTRY

	1	5	X/RF
2	0	0	DPT1
			CASH TEND

```
    15    X
  2.00
 30.00TX1
 31.00CA
 31.00TX
  1.42TX
```

SINGLE ITEM DEPARTMENT SALES

NOTE : Even if a department is programmed as single item, the department is not processed as a single sale in case of another department had entered already.

	1	0	X/RF
1	0	0	DPT2

```
    10     X
  1.00
 10.00NT2
 10.00CA
 10.00NT
  0.56NT
```


Downloaded from www.Manualslib.com manuals search engine

MINUS (–) KEY OPERATION

MULTIPLE MINUS OPERATION

5	0	0	DPT1
	1	5	X/RF
	5	0	–
			CASH TEND

```
5.00TX1
  15  X
-0.50  -
-7.50  -
-2.50CA
5.00TX
0.23TX
```

MINUS SINGLE OPERATION

2	0	0	-
			CASH TEND

```
-2.00   -
-2.00CA
```


Downloaded from www.Manualslib.com manuals search engine

PERCENT OPERATION (%)

PERCENT DISCOUNT ON ITEM

5	0	0	DPT1
			%
			CASH TEND

```
5.00TX1
3.000  %-
-0.15
4.85CA
5.00TX
0.23TX
```

PERCENT DISCOUNT ON ENTIRE SALE

1	0	0	DPT1
2	0	0	DPT2
			SUB TOTAL
			%
			CASH TEND

```
1.00TX1
2.00NT2
3.00ST
3.000  %-
-0.09
2.91CA
1.00TX
0.04TX
2.00NT
0.11NT
```


Downloaded from www.Manualslib.com manuals search engine

MERCHANDISE RETURN OPERATION

2	0	0	DPT1
			X/RF
2	0	0	DPT1
3	0	0	DPT2
			CASH TEND

```
      2.00TX1
●●●●●●●●RF
     -2.00TX1
      3.00NT2
      3.00CA
      3.00NT
      0.16NT
```

VOIDING ENTRIES (VD)

LAST ITEM VOID / ERROR CORRECT

1	0	0	DPT1
2	0	0	DPT2
			VD
			CASH TEND

```
      1.00TX1
      2.00NT2
●●●●●●●●VD
     -2.00NT2
      1.00CA
      1.00TX
      0.04TX
```


Downloaded from www.Manualslib.com manuals search engine

PREVIOUS ITEM VOID

1	0	0	DPT1
2	0	0	DPT2
1	0	0	VD
			DPT1
			CASH TEND

```
1.00TX1
2.00NT2
••••••••VD
-1.00TX1
2.00CA
2.00NT
0.11NT
```

TENDERING OPERATION

CASH TENDER

1	0	0	DPT1
			CASH TEND

```
1.00TX1
1.00CA
1.00TX
0.04TX
```

AMOUNT TENDERED ON CASH

2	0	0	DPT1
3	0	0	CASH TEND

```
2.00TX1
2.00     TA
3.00AT
1.00CG
2.00TX
0.09TX
```


Downloaded from www.Manualslib.com manuals search engine

CHARGE TENDER

- Amount tender operation is impossible on the charge tender.

3	0	0	DPT1	3.00TX1 3.00CH 3.00TX 0.14TX
			CH	

SPLIT TENDER

The cash drawer should not open during split tender.

4	0	0	DPT1	4.00TX1 4.00 TA 2.00AT 2.00 TA 2.00CH 4.00TX 0.19TX
2	0	0	CASH TEND	
			CH	

RECEIVED ON ACCOUNT (RA) OPERATION

7	0	0	RA	7.00RA

PAID OUT (PO) OPERATION

5	0	0	PO	5.00PO

Downloaded from www.Manualslib.com manuals search engine

CALCULATOR OPERATION

Turn the mode switch to “R” MODE and press “CALC” key. To exit from Calculator mode, Press “C” key or Turn the mode switch.

RA	**:**	**+**
-	**:**	**-**
X/RF	**:**	**X**
CASH/TEND	**:**	**=**

			CALC
1	**0**	**0**	**RA (+)**
2	**0**	**0**	**CASH (=)**
			- (-)
1	**5**	**0**	**CASH (=)**
			X/RF (x)
1	**0**	**0**	**CASH (=)**

100 + 200 = 300
- 150 = 150
x 100 = 15000

Downloaded from www.Manualslib.com manuals search engine

MANAGEMENT REPORTS AND BALANCING

MODE	REPORT	KEY	COMMENTS
X	CASH IN DRAWER DECLARATION	AMOUNT - **SUBTOTAL**	AMOUNT = NUMERIC
X	FINANCIAL DAILY REPORT	**CASH TEND**	READ
Z			READ & RESET
X	P-T-D GRAND TOTAL	**CH**	READ
Z			READ & RESET

CASH IN DRAWER DECLARATION

In the system option 1 programming, cash-in-drawer declaration can be programmed compulsory. Cash-in-drawer declaration is performed by adding the total of each type of media in the drawer, and pressing the ″**SUBTOTAL**″ key. Depression of the ″**SUBTOTAL**″ key with numeric will enter the information that the cash-in-drawer declaration performed, and reports in X position and Z position will be allowed.
In this case, the difference of input amount and cash in drawer is displayed.
After this declaration, you can not take any registering operation, if not reporting in X mode or Z mode.

09-10-06	
70.00CA	TOTAL ENTERED BY KEY-INPUT
70.26AT	TOTAL IN CASH DRAWER
-0.26	DIFFERENCE
021-77	

Downloaded from www.Manualslib.com manuals search engine

FINANCIAL DAILY REPORT

09-10-06 17-35	DATE
1 Z	Z COUNTER, MODE SWITCH POSITION
024 @	DEPARTMENT1 COUNTER
53.00TX1	DEPARTMENT1 TOTAL
025 @	DEPARTMENT2 COUNTER
30.00 2	DEPARTMENT2 TOTAL
53.00TX	TAXABLE1 TOTAL
2.47TX	TAX1 TOTAL
30.00NT	TAXABLE2 TOTAL
1.66NT	TAX2 TOTAL
-0.24 %-	PERCENT TOTAL
-9.50 -	(-) TOTAL
73.26 * 1	NET SALES TOTAL
-2.00RF	RETURN MERCHANDISE TOTAL
-3.00VD	VOID TOTAL
85.00 * 2	GROSS SALES TOTAL
016 #	CUSTOMER COUNTER
68.26CA	CASH TOTAL
5.00CH	CHARGE TOTAL
7.00RA	RECEIVED ON ACCOUNT
5.00PO	PAID OUT
70.26AT	CASH IN DRAWER
001 NS	NO SALE COUNTER
*********	
85.00 * 3	GRAND TOTAL
064–01	RECEIPT NUMBER, MACHINE NUMBER

P-T-D GRAND TOTAL REPORT

001 *Z	
85.00 *4	P-T-D GRAND TOTAL

Downloaded from www.Manualslib.com manuals search engine

SYSTEM BALANCING

NET SALES TOTAL = DEPARTMENT TOTALS (add positive, subtract negative)
+ TAX TOTAL (add-on, external straight tax version only)
+ % TOTAL
+ (–) TOTAL

GROSS SALES TOTAL = NET SALES TOTAL
– MERCHANDISE RETURN
– (–) TOTAL
– % TOTAL

ENDING GRAND TOTAL = GROSS SALES TOTAL
+ PREVIOUS GRAND TOTAL

MAINTENANCE

1. Avoid excess dust and extreme temperatures.
2. Be certain that AC cord is inserted firmly in the outlet, and that cord poses no danger of accidental tripping.
3. Use no chemicals or abrasives while cleaning cabinet or keyboard.
4. Do not pull or hold paper while the register is printing.

Downloaded from www.Manualslib.com manuals search engine

SPECIFICATION

DIMENSIONS

REG. SIZE	325 mmW × 420 mmL × 225 mmH
NET WEIGHT	5.3 kg

DRAWER

SIZE	325 mmW × 420 mmL × 95 mmH
WEIGHT	3.3 kg

MODE KEY

LOCK SWITCH	SLIDE SWITCH
POSITIONS	5 (OFF, R, X, Z, P)
RECEIPT ON / OFF	NONE (BY PROGRAM)

KEYBOARD

TYPE	RUBBER CONTACT TYPE
NUMBER OF KEYS	28
KEYSTROKE BUFFER	20

PRINTER

MODEL #	M–42V
STATIONS	1
PAPER	SINGLE PLY(57.5 mm)
COPY	NONE
PRINT SPEED	2.2 LINE / SECOND (7 Column printing)

DISPLAY

CAPACITY	9 DIGITS
SYMBOLS	5 (E, C, -, =, S)

POWER

INPUT	AC LOCAL VOLTAGE ±10%, 50 / 60 Hz
CONSUMPTION	STANDBY : 2W, MAX : 8W
MEMORY BACK-UP	60 DAYS
BATTERY	MS LITHIUM 3.0V 11mAh

Downloaded from www.Manualslib.com manuals search engine