

# SHARP®

ELECTRONIC CASH REGISTER

MODEL

**ER-A280F**  
**ER-A280N**

INSTRUCTION MANUAL



The above illustration shows the model ER-A280N.

ER-A280F/ER-A280N

SHARP®

---

# CONTENTS

<b>INTRODUCTION</b> .....	1
<b>IMPORTANT</b> .....	1
<b>PRECAUTION</b> .....	1
<b>CONTENTS</b> .....	2
<b>1. Part Names and Functions</b> .....	8
External View .....	8
Front view (ER-A280F) .....	8
Rear view (ER-A280F) .....	8
Front view (ER-A280N) .....	9
Rear view (ER-A280N) .....	9
Printer .....	10
Keyboard (ER-A280F) .....	11
Standard keyboard layout .....	11
Programming keyboard layout .....	11
Function key list .....	12
Optional keys .....	13
Inserting the keyboard sheet .....	14
Keyboard (ER-A280N) .....	15
Standard keyboard layout .....	15
Programming keyboard layout .....	15
Function key list .....	16
Optional keys .....	17
RS232 Connector/SD Card Slot .....	18
Opening the RS232 connector cover .....	18
Opening the SD card slot cover .....	18
Displays .....	19
Operator display .....	19
Customer display .....	20
Screen save mode .....	20
<b>2. Selecting an Operating Mode</b> .....	21
Operating Modes .....	21
Mode Selection .....	22
<b>3. Prior to Making Entries</b> .....	23
Preparations for Entries .....	23
Receipt paper roll .....	23
Receipt ON/OFF function .....	23
Clerk assignment .....	23
Error Warning .....	24
Item Selection from the Menu .....	25
Starting Cash Memory Entry .....	26
<b>4. Entries</b> .....	27
Item Entries .....	27
Single item entries .....	27

Repeat entries .....	29
Multiplication entries .....	29
Split-pricing entries .....	31
Successive multiplication entries .....	32
Single item cash sale (SICS)/single item finalize (SIF) entries .....	33
Special Entries for PLU/EAN .....	34
Promotion function .....	34
PLU/EAN link entries .....	36
EAN learning function .....	37
PLU/EAN information inquiry (view) function .....	38
EAN price change function .....	39
Set PLU/EAN entries .....	40
PLU level shift (for direct PLUs) .....	41
Price level shift .....	42
Display of Subtotals .....	44
Subtotal .....	44
Difference subtotal (Differ ST) .....	44
Finalization of Transaction .....	45
Cash or check tendering .....	45
Mixed tendering (check + cash) .....	46
Cash or check sale that does not need any tender entry .....	46
Credit sale .....	46
Mixed-tender sale (cash or check tendering + credit tendering) .....	47
Computation of VAT (Value Added Tax)/Tax .....	48
VAT/tax system .....	48
VAT shift entries .....	49
Guest Check (GLU) .....	50
Guest look up (GLU) system .....	50
Deposit entries .....	52
Bill printing .....	53
Auxiliary Entries .....	54
Percent calculations (premium or discount) .....	54
Discount entries .....	54
Refund entries .....	55
Printing of non-add code numbers .....	55
Payment Treatment .....	56
Currency exchange .....	56
Received-on-account entries .....	57
Paid-out entries .....	58
No-sale (exchange) .....	59
Cashing a check .....	59
Age Verification .....	60
Electronic Journal View .....	61
Bank Console Mode .....	61
TRAINING Mode .....	62
Overlapped Clerk Entry .....	63
<b>5. Correction .....</b>	<b>64</b>
Correction of the Last Entry (Direct Void) .....	64
Correction of the Next-to-Last or Earlier Entries (Indirect Void) .....	65

Subtotal Void .....	66
Correction of Incorrect Entries Not Handled by the Direct, Indirect or Subtotal Void Function .....	66
<b>6. Special Printing Function .....</b>	<b>67</b>
Copy Receipt Printing .....	67
Guest Check Copy .....	68
<b>7. Manager Mode .....</b>	<b>69</b>
Entering the Manager Mode .....	69
Override Entries .....	69
Correction after Finalizing a Transaction .....	70
<b>8. Reading (X) and Resetting (Z) of Sales Totals .....</b>	<b>71</b>
How to take a X1/Z1 or X2/Z2 report .....	71
Flash report .....	71
Daily Sales Totals .....	74
General report .....	74
Department report .....	77
Individual group total report on departments .....	78
Full group total report on departments .....	78
PLU/EAN report by designated range .....	79
PLU/EAN report by associated department .....	80
PLU/EAN stock report .....	80
PLU/EAN zero sales report (full) .....	81
PLU/EAN zero sales report (by dept.) .....	81
PLU/EAN price category report .....	81
Transaction report .....	82
Total in drawer report .....	82
Commission sales report .....	82
Individual clerk report (In case of clerk only system) .....	83
Full clerk report .....	83
Individual clerk report (In case of clerk only system) .....	85
Individual clerk report (In case of clerk + cashier system) .....	86
Full cashier report (In case of clerk + cashier system) .....	86
Individual cashier report (In case of clerk + cashier system) .....	87
Hourly report .....	88
GLU report .....	88
GLU report by clerk .....	89
Balance report .....	89
X1/Z1 stacked report .....	89
Periodic Report Sample .....	90
General information .....	90
Daily net report .....	91
X2/Z2 stacked report .....	91
Compulsory Cash/Check Declaration .....	92
<b>9. Non-accessed EAN Deletion .....</b>	<b>94</b>
Non-accessed EAN report .....	94

<b>10. Prior to Programming</b> .....	95
Programming Keyboard Layout .....	95
How to Program Alphanumeric Characters .....	97
Using character keys on the keyboard .....	97
Entering character codes .....	98
<b>11. Programming</b> .....	99
Basic Instructions.....	99
Programming screen .....	99
Programming example .....	100
Article Programming .....	102
Department .....	103
PLU/EAN .....	105
PLU range .....	107
Set PLU table .....	107
Link PLU table (for PLU/EAN link) .....	108
Promotion table .....	109
EAN Non-PLU code format .....	111
Press code (for EAN).....	112
PLU/EAN stock .....	113
EAN delete .....	113
Direct Key Programming.....	114
Direct key.....	114
Functional Programming.....	115
Discount key (⓪1 through ⓪4) .....	116
Percent key (%1 through %4) .....	116
Commission .....	117
Miscellaneous functions .....	117
Deposit .....	118
RA/RA2.....	118
PO/PO2 .....	118
Cash in drawer .....	119
Check change.....	119
Media Key Programming .....	120
Cash key (Cash, Cash2) .....	121
Check key (Check1 through Check4).....	121
Credit key (Credit1 through Credit4).....	122
Check cashing (Check1 through Check4) .....	123
Foreign currency (Exchange1 through Exchange4) .....	124
Foreign currency drawer.....	124
Training Clerk/Cashier Programming .....	125
Function Text Programming .....	126
Personnel Programming .....	128
Clerk .....	129
Cashier .....	130
Manager .....	131
Terminal Programming .....	132
Date/Time Setting .....	133
Date/time .....	133
Optional Feature Selection .....	134

Function prohibition .....	135
Function selection .....	136
Printing selection .....	137
EURO .....	139
Report Programming .....	140
Zero skip .....	141
Hourly report .....	141
Stacked report .....	142
Message Programming .....	144
Receipt logo .....	144
Device Configuration Programming .....	145
Built-in printer .....	145
Scanner .....	146
On-line .....	146
Control unit (only available in specific counties) .....	146
GLU Code Programming .....	147
Tax Programming .....	148
On-line Configuration Programming .....	149
VMP Configuration Programming .....	150
Automatic Sequencing Key Programming .....	151
SD CARD Mode .....	153
Inserting and removing an SD memory card .....	153
SD card formatting .....	153
Folder code selecting .....	153
Folder creating .....	154
Data saving .....	154
Data loading .....	154
Reading of Stored Programs .....	155
Program reading sequence .....	155
Sample printouts .....	156
<b>12. Electronic Journal/Data Clear .....</b>	<b>167</b>
Electronic journal .....	167
Data clear .....	167
<b>13. European Article Number (EAN) or Universal Product Code (UPC) .....</b>	<b>168</b>
EAN or UPC code .....	168
Add-on code .....	170
<b>14. EURO Migration Function .....</b>	<b>171</b>
<b>15. Operator Maintenance .....</b>	<b>173</b>
In Case of Power Failure .....	173
In Case of Printer Error .....	173
Cautions in Handling the Printer and Recording Paper .....	173
Cautions in handling the printer .....	173
Cautions in handling the recording paper (thermal paper) .....	174
Installing and Removing the Paper Roll .....	175
Recording paper specifications .....	175
Installing the receipt paper roll .....	175

Removing the receipt paper roll.....	177
Removing the paper jam .....	177
Cleaning the Printer (Print Head/Sensor/Roller).....	178
Removing the Till and the Drawer .....	179
Opening the Drawer by Hand .....	179
Drawer Lock Key .....	179
Removing the Till and the Drawer .....	181
Opening the Drawer by Hand .....	181
Drawer Lock Key .....	181
Installing the Fixing Angle Bracket.....	181
Before Calling for Service .....	182
<b>16. Options .....</b>	<b>183</b>
List of Options.....	183
<b>17. Specifications .....</b>	<b>184</b>

This is a “Table of Contents preview” for quality assurance

The full manual can be purchased from our store:

[https://the-checkout-tech.com/manuals/sharp/ER-A280F and ER-A280N instruction man](https://the-checkout-tech.com/manuals/sharp/ER-A280F%20and%20ER-A280N%20instruction%20man)

And our free Online Keysheet maker:

<https://the-checkout-tech.com/Cash-Register-Keysheet-Creator/>

[HTTPS://THE-CHECKOUT-TECH.COM](https://THE-CHECKOUT-TECH.COM)