

SHARP®

ER-A470

Electronic Cash Register

The ECR Which Brings You Easy Operation through Advanced Technology



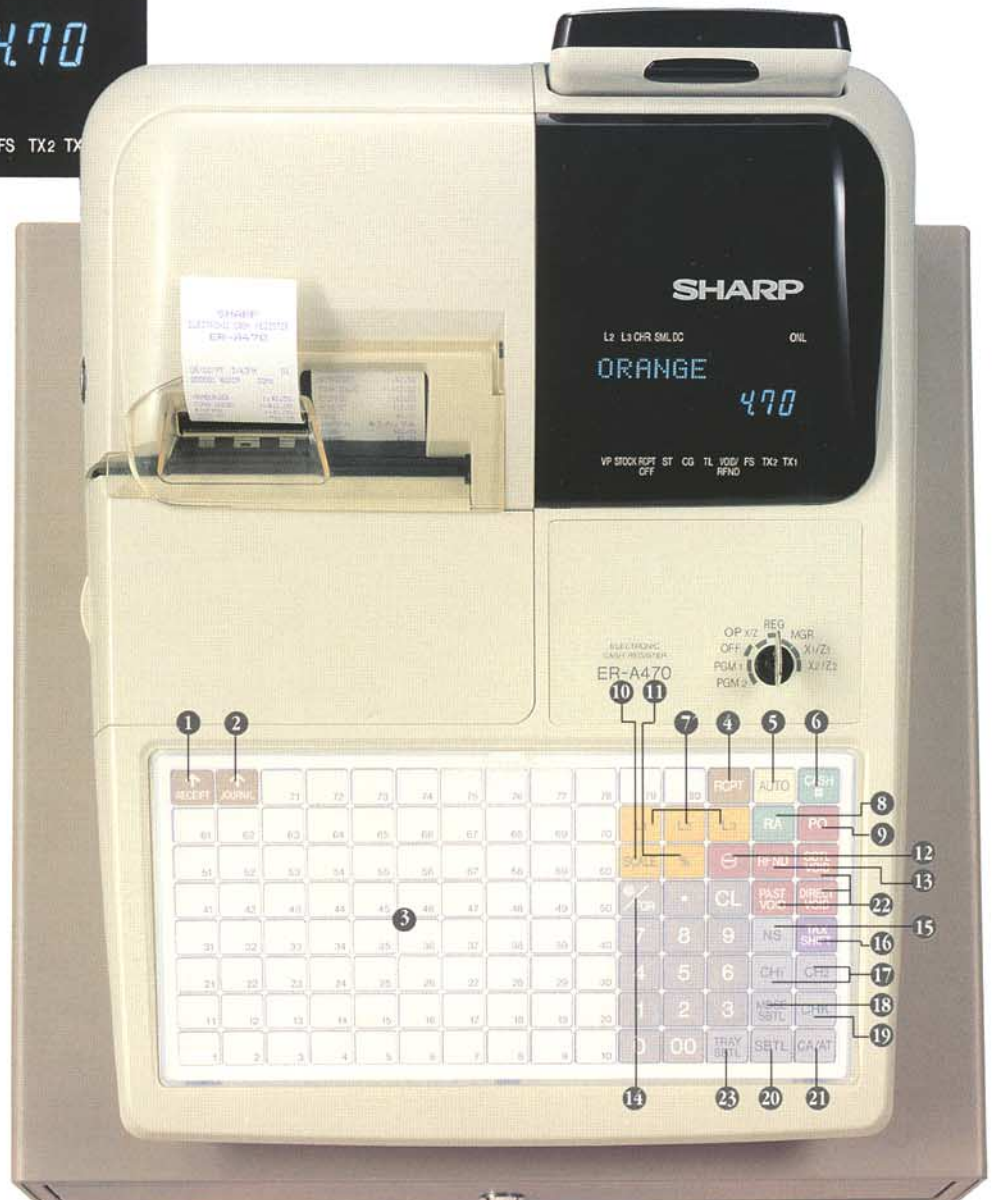
Increase Your Efficiency and Enhance Your Operations with the New User-friendly ER-A470

The ER-A470 offers advanced features and convenient functions which will enhance the operation of your restaurant. Innovative features such as the standard infrared interface, optional programming remote keyboard, and easy programming function expand your capabilities while simplifying your procedures.



ER-A470 Electronic Cash Register

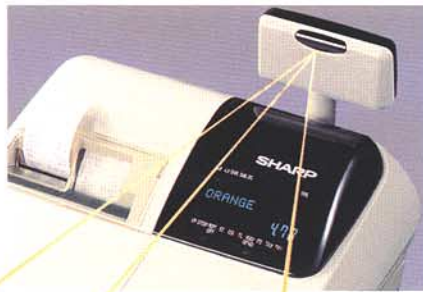
- 1 Receipt paper feed key
- 2 Journal paper feed key
- 3 Direct PLU keys
- 4 Receipt print key
- 5 Automatic sequencing key
- 6 Cashier code entry key
- 7 PLU level shift keys
- 8 Receive on account key
- 9 Paid out key
- 10 Scale key
- 11 Percent key
- 12 Discount key
- 13 Refund key
- 14 Multiplication key
- 15 Non-sales key
- 16 Tax shift keys
- 17 Charge 1 and 2 keys
- 18 Merchandise subtotal key
- 19 Check key
- 20 Subtotal key
- 21 Cash amount/
Cash tendered key
- 22 Separated void keys
- 23 Tray subtotal key



Exciting New Features Set the ER-A470 Apart from Others in its Class

Infrared Communication

The ER-A470's unique Infrared Interface allows the user to program and reprogram the unit quickly and easily. Three programming input devices include the optional programming remote keyboard, personal computer, and Sharp Wizard personal information organizers with I/R capability.



Easy Programming

The operator is guided through simple programming tasks by the ER-A470's prompted programming. The ER-A470 presents cursor-defined options, allowing the user to simply input the information along the way. This foolproof programming method eliminates unnecessary service calls and allows the user to program and modify the terminals simply and efficiently.



Programming Remote Keyboard

Large-capacity, Flexible Memory

Optional memory upgrades allow the user to expand the ER-A470's standard 12 departments to a total of 50. By expanding the number of available departments, the user can efficiently categorize products. These departments can then be classified into up to nine groups. The ER-A470's memory expansion also allows the end user to increase the 200 standard PLUs to a total of 2,000. Three pricing levels, 8 or 12 character text descriptors, and period-to-date PLU tracking offer outstanding inventory controls.

Designed With the User in Mind

The ER-A470's compact, low-profile design makes efficient use of valuable counter space while enhancing operations. The 120-key layout has

been carefully considered, with color-coding by function for maximum ease in use. With the ER-A470's adjustable customer pop-up display, customers can see the total price easily.

High-quality, High-speed Printing

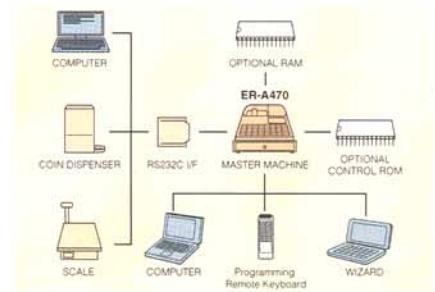
The ER-A470 boasts high-quality and high-speed dot-matrix printing at approximately 3 lines per second. Detailed receipts and reports with information such as sales item names, the cashier's name, and commercial messages can be printed out, giving customers a clear record of their purchases. Management reports including daily net total, group total, PLU by range, and PLU by associated department provide effective inventory and financial analysis tools.



On-line Capability

With the optional communications features of the ER-A470, sales data can be easily and efficiently downloaded to an external PC connected either directly or via modem. This feature also allows preset programming to be

first done on a PC and later conveniently transferred to the ECR.



Other Features

- Manager control function
- Dept. grouping function
- 6-digit PLU free code
- 3-level PLU level shift
- Periodic total function
- HALO (High Amount Lock Out)
- Non-add code (max. 16 digits)
- Tax registration (4 tax rates)
- Auto key (max. 5 keys)
- Single-line validation with 55 digits
- Training mode function
- Stack report function
- Receipt ON/OFF function
- Tax exemption
- Food stamp function
- Currency exchange



RECEIPT

Important information such as date, time, text, unit prices, total, change, consecutive number, and register number is printed on the receipt.

SHARP
ELECTRONIC CASH REGISTER
ER-A470

08/10/97 3:43PM 01
000001 00029 JDHR

HAMBURGER 1 \$2.50
TUNA SALAD 1 \$12.00
COFFEE 1 \$1.50
HOT ST 1 \$6.00
TAX1 1 \$0.96

NET TOTAL \$16.96
CASH \$20.00
CHANGE \$3.04

MANAGEMENT REPORT

The ER-470 has extensive reporting capabilities. The management report provides an important and permanent history of all customer transactions, making management analysis and control easier and more effective.

• Sample X report

08/25/96 7:11PM 11 123456 #2252 DICK	Report no. Read symbol	#100 X<X1X	Dept. no. Sales quantity Sales amount Ratio of dept. 1 sales amount to *1* real dept. total
XDP TX		DO1 DPT.01	61,0000 \$383.90 7.512
		DO2 DPT.02	45,0000 \$1407.01 27.54%
		DO3 DPT.03	44,0000 \$192.54 3.77%
D10 DPT.10		9,0000 \$24.66 0.48%	** dept. counter and total
XDEPT TL		362,0000 \$5109.65 100.00%	
D11 DPT.11 DEPT(-)		7,0000 -11.00 7,0000 -11.00	** dept. counter and total
D12 DPT.12 XHASH TL		1,0000 \$2.50 1,0000 \$2.50	** hash dept. counter and total
D13 DPT.13 HASH(-)		4,0000 -8.00 4,0000 -8.00	** hash dept. counter and total
D14 DPT.14 XBTL TL		3,0000 \$7.15 3,0000 \$7.15	** bottle return dept. counter and total
D15 DPT.15 BTL(-)		3,0000 -9.00 3,0000 -9.00	** bottle return dept. counter and total
XTRANS X			
<->1		30 -30.00	1 counter and total
<->2		10 -1.00	2 counter and total
%1		10 -3.06	Percent 1 counter and total
%2		30 \$3.02	Percent 2 counter and total
NET1		\$5071.16	Net sales total

• Sample Z report

08/27/96 7:52PM 11 123456 #2373 DICK	Report no. Read symbol	#100 KZ1X	Dept. no. Sales quantity Sales amount Ratio of dept. 1 sales amount to *1* real dept. total
Z1 0002		GT1 GT2 GT3 TR	100000013908.75 100000014536.90 -0000000628.15 100000000177.25
TR1 ST		TR1 ST GRS TR1 RFD TR1 TX1 DPT TR2 ST GRS TR2 RFD TR2 TR2 DPT TR3 ST GRS TR3 RFD TR3 TR3 TX3 DPT GRS TR3 RFD TR3 H-TR FS TX1 FS TX2 FS TX3	\$292.20 \$9.77 -\$0.95 \$8.82 \$15.00 \$1483.53 \$114.24 -\$10.40 \$103.84 \$40.00 \$600.90 \$29.25 -\$5.20 \$24.05 \$15.00 \$1.50 -\$1.00 \$0.50 \$5.66 \$39.12 \$29.25
TTL TRX		TTL TRX NET NET2	\$137.21 \$5071.16 \$5208.37
<->3		20 -10.00	3 counter and total
<->4		10 -2.00	4 counter and total
%3		10 -0.10	Percent 3 counter and total
%4		10 -6.20	Percent 4 counter and total
CP PLU		20 -21.00	Coupon-like PLU counter and total
DIR VO		120 \$98.78	Direct item void counter and total
PAST VO		10 \$25.00	Past item void counter and total
SRTL VO		30 \$122.00	Subtotal void counter and total
HGR VO		70 \$204.60	Manager item void counter and total

VOID		30 \$204.60	Void-mode transaction counter and total
REFUN		170 \$381.00	Refund counter and total
HASH VO		10 \$2.50	Hash item void counter and total
HA P.VO		10 \$2.50	Hash item past void counter and total
HASH RF		10 \$2.50	Hash item refund counter and total
NO SALE		30	No sales (exchange) counter
UP CNT		20	Validation print counter
DRW CNT		1370	Drawer counter
TRAY CNT		20	Tray subtotal counter
TRANS CT		1730	Customer counter
NET3		\$5202.87	Sales total (including hash dept. total)
CASH		1520	Cash counter and total
CASH2		20	Validation print counter
FSSALE		70	Sales for food stamp counter and total
X00RA		10	Received-on-account counter and total
X00R2		10	Received-on-account 2 counter and total
X00P0		10	Paid-out counter and total
X00P2		10	Paid-out 2 counter and total
CA/CHK		\$15.00	Check cashing counter and total
CHK/CS		\$10.80	Cash change total for check and charge 1-5 tendering
FS/CG		\$1.97	Cash change total for food stamp tendering
CMV 1		83.08	Currency conversion 1 total (by programmed rate)
CMV 2		10.74	Currency conversion 2 total (by programmed rate)
CMV 3		105.78	Currency conversion 3 total (by manual rate)
CMV 4		428.00	Currency conversion 4 total (by manual rate)
FS/ID		\$131.00	Change 1 sales and tendering counter
CHARGE1		20	Charge 1 in drawer
CHARGE1-		\$59.04	Charge 1 refunds counter
CHARGE2		10	Charge 2 in drawer
CHARGE2-		\$52.00	Charge 2 refunds counter
CHARGE3		10	Charge 3 in drawer
CHARGE3-		\$44.20	Charge 3 refunds counter
CHARGE4		20	Charge 4 in drawer
CHARGE4-		\$130.45	Charge 4 refunds counter
CHARGE5		10	Charge 5 in drawer
CHARGE5-		\$20.00	Charge 5 refunds counter
CHCK		\$252.50	Check sale and tendering counter
CHCK: ID		\$4710.46	Check in drawer
X00C10		\$4457.96	Cash + check in drawer counter

Specifications

Display	Type	Fluorescent
	Operator	2 lines/ 12-digit dot matrix/ 10-digit numeric, 7 segments
	Customer (pop-up)	7 digits / 7 segments
Printer	Type	2-station dot matrix
	Printing digits	Receipt/journal 24
	Printing speed	Approx. 3 lines/sec.
	Paper width	1 7/8" (44.5 ± 0.5 mm)
Drawer	Type	Medium size
	Compartments	5 bill, 5 coin

Key	Type	Flat
DEPT	Number	12 standard, 50 max.
PLU	Number	200 standard, 2,000 max.
Tax	System	4 tax tables
Dimensions (W x D x H)		16 1/4" x 17 1/8" x 11 1/16" (421 x 448 x 302 mm)
Weight		Approx. 29.5 lbs (13.4 kg)
Power supply		120V AC (±10%), 60 Hz
Options		RS-232 I/F, expansion memory, control ROM, coin case, remote drawer, programming remote keyboard

Design and specifications are subject to change without notice.