

SHARP

MODEL **EL-210**

INSTRUCTION MANUAL

(ELECTRONIC CALCULATOR) LIMITED WARRANTY:

SHARP ELECTRONICS CORPORATION warrants this product to the original purchaser to be free from defective materials and workmanship. Under this warranty the product will be repaired or replaced, at our option, without charge for parts or labor, with the exception of batteries. When returned to a SHARP CONSUMER FACTORY SERVICE CENTER listed in the instruction booklet supplied with your unit.

This warranty does not apply to any appearance items nor to any product whose exterior has been damaged or defaced, nor to any product subjected to misuse, abnormal service or handling, nor to any product altered or repaired by other than a SHARP CONSUMER FACTORY SERVICE CENTER. This warranty does not apply to any product purchased outside the United States, its territories or possessions.

The period of this warranty covers one (1) year on parts and one (1) year on labor from date of purchase.

This warranty entitles the original purchaser to have the warranted parts and labor rendered at no cost for the period of the warranty described above when the unit is carried or shipped, prepaid, to a SHARP CONSUMER FACTORY SERVICE CENTER together with proof of purchase.

THIS SHALL BE THE EXCLUSIVE WRITTEN WARRANTY OF THE ORIGINAL PURCHASER AND NEITHER THIS WARRANTY NOR ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, SHALL EXTEND BEYOND THE PERIOD OF TIME LISTED ABOVE. IN NO EVENT SHALL SHARP BE LIABLE FOR CONSEQUENTIAL ECONOMIC DAMAGE OR CONSEQUENTIAL DAMAGE TO PROPERTY. SOME STATES DO NOT ALLOW A LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS OR AN EXCLUSION OF CONSEQUENTIAL DAMAGE, SO THE ABOVE LIMITATION AND EXCLUSION MAY NOT APPLY TO YOU. IN ADDITION, THIS WARRANTY GIVES SPECIFIC LEGAL RIGHTS, AND YOU MAY HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

DISPLAY



Decimal point

Memory symbol

- : Minus symbol

⌈ : Error symbol (⌈ : Negative number)

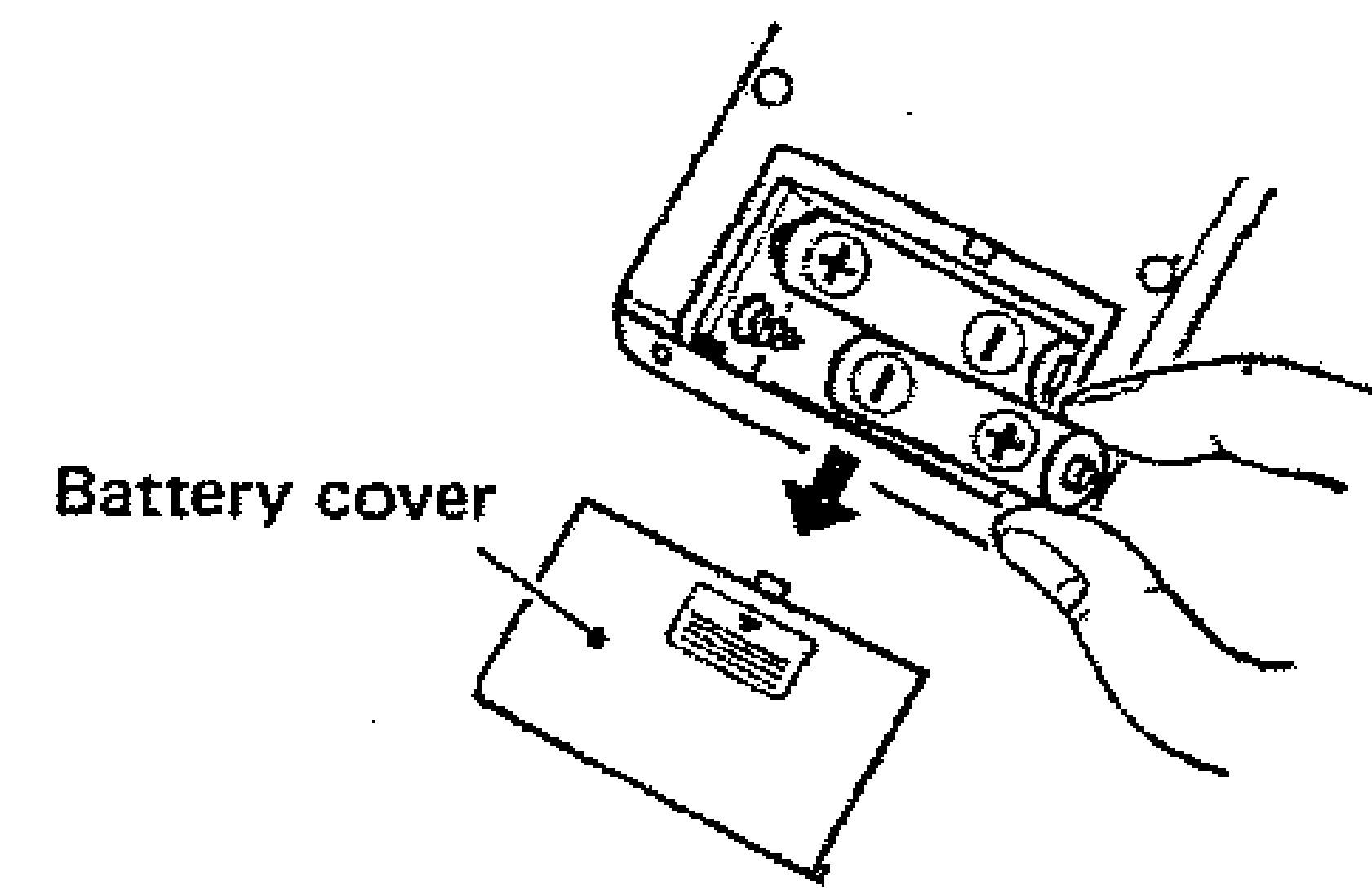
BATTERY REPLACEMENT

Dimming of the display indicates that the batteries should be replaced or recharged.

(The left most digit and right most digit become dimmer than the other digits.)

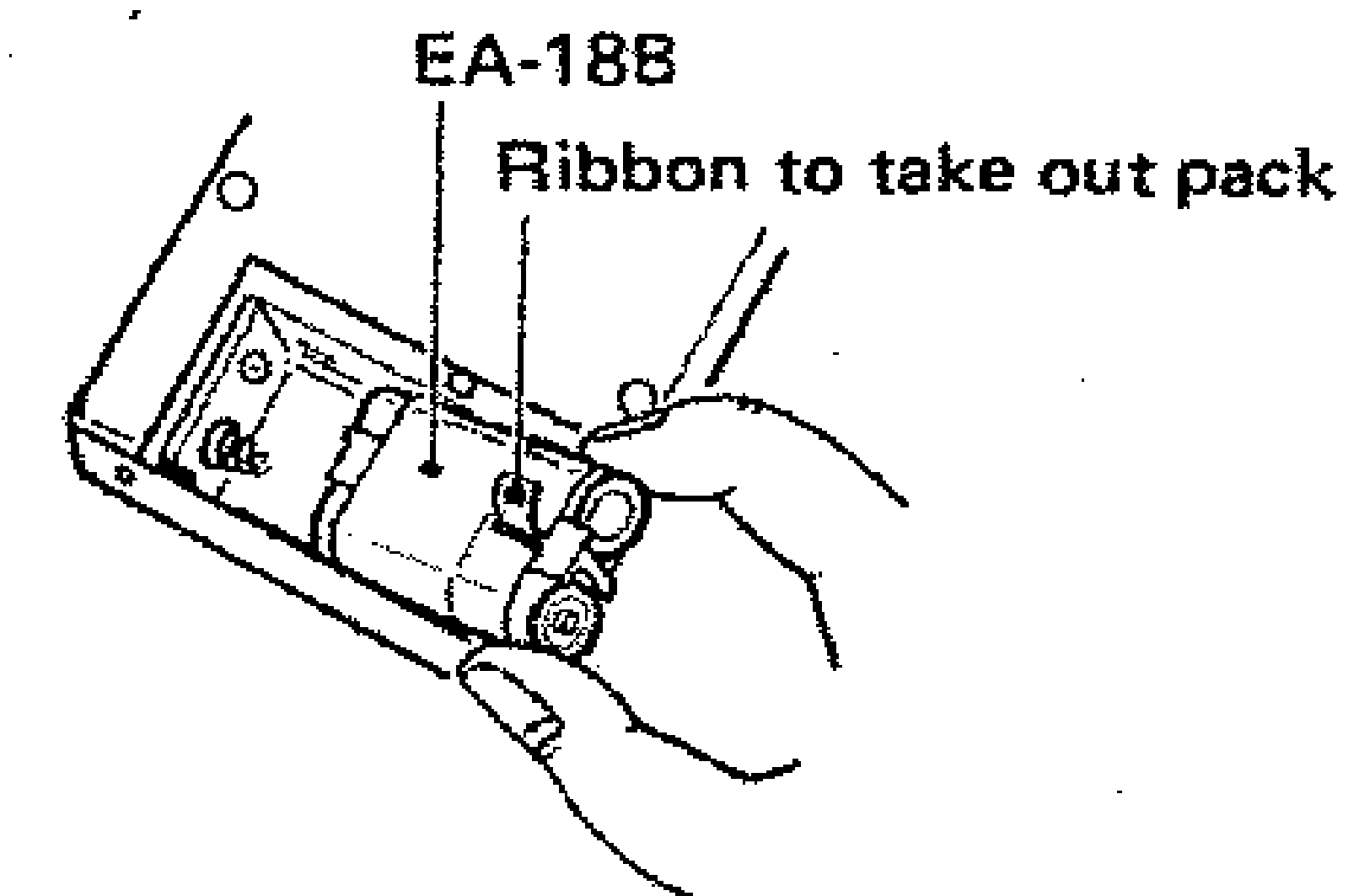
Batteries: Two "AA" dry batteries or the optional Ni-Cd rechargeable battery pack EA-18B.

AC adaptor/charger: Model EA-17 (Option)



(Dry battery)

Fig. 1



(Rechargeable battery)

Fig. 2

CAUTION: Use of other than the AC adaptor EA-17 may apply improper voltage to your SHARP calculator and will cause damage.

OPERATION

CALCULATION	EXAMPLE	OPERATION
Addition & Subtraction	$123 - 45.63 + 789 =$	$123 \text{ [] } 45.63 \text{ [+] } 789 \text{ [=] } \rightarrow 866.37$
Multiplication & Division	$(-1.15) \times 365 \div 0.5 =$	$\text{[C] [] } 1.15 \text{ [X] } 365 \text{ [] } \div .5 \text{ [=] } \rightarrow 839.5$
Constant	$\frac{273 + 572}{768 + 572} =$	$273 \text{ [+] } 572 \text{ [=] } \rightarrow 845.$ $768 \text{ [+] } 572 \text{ [=] } \rightarrow 1340.$
	$\frac{597 - 184}{323 - 184} =$	$597 \text{ [-] } 184 \text{ [=] } \rightarrow 413.$ $323 \text{ [-] } 184 \text{ [=] } \rightarrow 139.$
	$\frac{295 \times 8}{295 \times 6} =$	$295 \text{ [X] } 8 \text{ [=] } \rightarrow 2360.$ $6 \text{ [=] } \rightarrow 1770.$
	$\frac{18 \div 2}{12 \div 2} =$	$18 \text{ [] } \div 2 \text{ [=] } \rightarrow 9.$ $12 \text{ [=] } \rightarrow 6.$
Square	$5^2 =$	$5 \text{ [X] } \text{[] } \rightarrow 25.$
Power	$((2^3)^2)^2 =$	$2 \text{ [X] } \text{[] } \text{[] } \text{[X] } \text{[] } \text{[] } \text{[X] } \text{[] } \rightarrow 4096.$
Reciprocal	$1/7 =$	$7 \text{ [] } \div \text{[] } \rightarrow 0.1428571$
Percentage	$1,200 \times 25\% =$	$1200 \text{ [X] } 25 \text{ [%] } \rightarrow 300.$
	$108 \div 360 = (\%)$	$108 \text{ [] } \div 360 \text{ [%] } \rightarrow 30.$

CALCULATION	EXAMPLE	OPERATION
Square root	$\sqrt{123 \times 456} =$	123 \times 456 $=$ $\sqrt{}$ \rightarrow 236.82905
Add-on/discount	$100.55 + 15\% \text{ of } 100.55 =$	100.55 $+$ 15 $\%$ \rightarrow 115.6325
	$100.55 - 10\% \text{ of } 100.55 =$	100.55 $-$ 10 $\%$ \rightarrow 90.495
Memory	$147 \times 12 =$ ① $+) 258 \div 4 =$ ② $-) 369 \times 8 =$ ③ <hr/> Total ④	* CM 147 \times 12 $M+$ \rightarrow 1764.. ① 258 \div 4 $M+$ \rightarrow 64.5.. ② 369 \times 8 $M-$ \rightarrow 2952.. ③ RM \rightarrow 1123.5.. ④
	124 = ① $-) 125 - 59 =$ ② $+) 72 + 86 =$ ③ <hr/> Total ④	** 124 $\times M$ \rightarrow 124.. ① 125 $-$ 59 $M-$ \rightarrow 66.. ② 72 $+$ 86 $M+$ \rightarrow 158.. ③ RM \rightarrow 216.. ④
	*: Push the CM to clear the memory before starting a memory calculation. **: Pushing the $\times M$ clears the memory and stores the displayed number.	
Overflow	$96,385,274 \div 0.321 \times 456$ $= 136,921,136,897$	96385274 \div .321 \times \rightarrow 3.0026565 L CE \rightarrow 3.0026565 456 $=$ \rightarrow 1369.2113 (1369.2113 $\times 10^5 = 136,921,130,000$)

ERRORS

(Push the **C** to reset the error condition.)

EXAMPLE	OPERATION
$10,000,000 \div 0.0000001 =$	10000000 \div 0.0000001 $\%$ \rightarrow O.E
$\sqrt{-3} =$	C $-$ 3 $\sqrt{\quad}$ \rightarrow O.E
$5 \div 0 =$	5 \div 0 \rightarrow O.E
(55,555,555 M+) $33,333,333 + 22,222,222 =$	(CM 55555555 M+) 33333333 $+$ 22222222 M+ \rightarrow O.E.

SPECIFICATIONS

Power source	Consumption	Operating time
Dry battery 3V \equiv (DC) UM-3 (AA) x 2	0.2 W	12 H
Rechargeable 2.4V \equiv (DC) battery pack EA-18B (option)	0.2 W	10 H (charging 15 H)
AC: 120V, 60Hz EA-17 (option) + (EA-18B)	0.35 W	

Operating temperature: 0°C ~ 40°C (32°F ~ 104°F)
Dimensions: 77(W) x 129(D) x 19.5 (H) mm
3-1/32"(W) x 5-3/32"(D) x 25/32"(H)
Weight: 162g (0.36 lbs.) (with dry batteries)
Accessories: Dry battery "AA" x 2 and soft case.

SERVICE CENTER ADDRESS

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SHARP ELECTRONICS CORPORATION

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