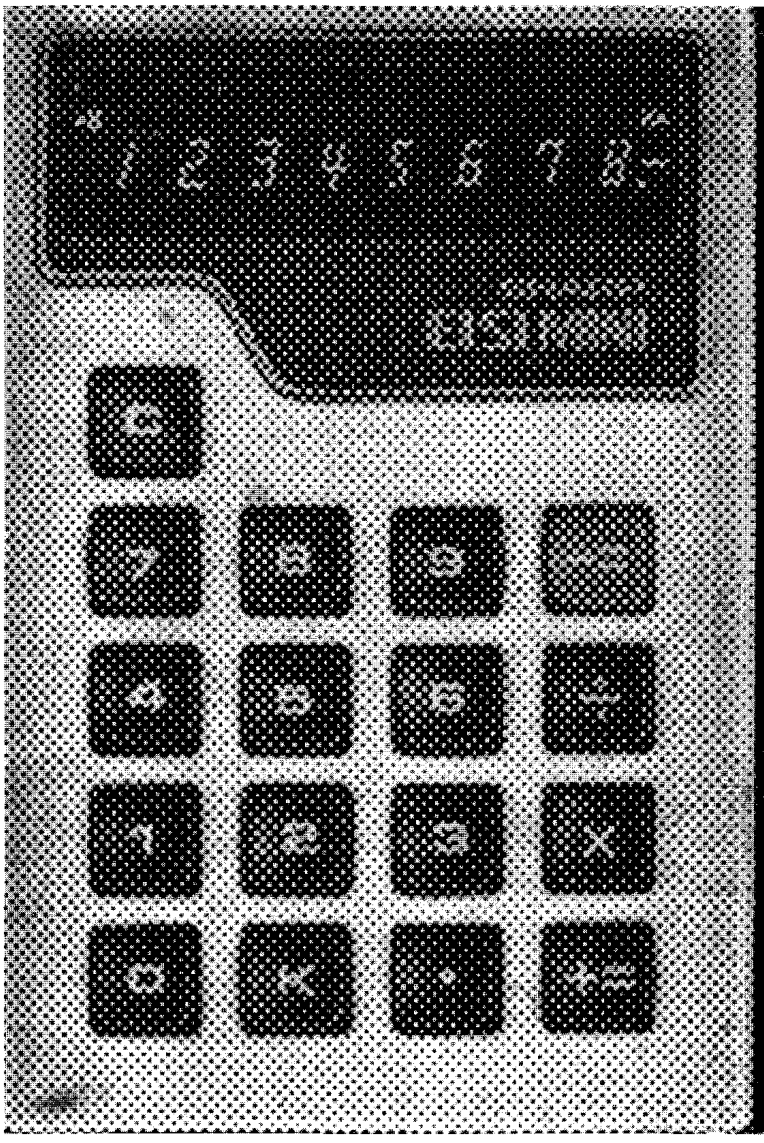


ELECTRONIC CALCULATOR

SHARP COMPET ELSI MINI

SHARP

MODEL EL-801

INSTRUCTION MANUAL

WARRANTY

THIS SHARP CALCULATOR WAS INSPECTED AND THOROUGHLY TESTED BEFORE SHIPMENT. IT IS IMPORTANT THAT THE OPERATION INSTRUCTIONS BE READ CAREFULLY BEFORE USING THIS CALCULATOR.

FOR A PERIOD OF ONE (1) YEAR FROM THE DATE OF PURCHASE, WE WILL REPAIR WITHOUT CHARGE, ANY PART OF THIS PRODUCT FOUND TO BE DEFECTIVE DUE TO MATERIALS OR WORKMANSHIP IF IT IS RETURNED TO THE PLACE OF PURCHASE.

AFTER ONE (1) YEAR FROM DATE OF PURCHASE, A REASONABLE CHARGE WILL BE MADE FOR REPAIR.

THIS WARRANTY IS VOID IF THIS PRODUCT HAS BEEN SUBJECT TO MISUSE OR ABUSE, IMPROPER VOLTAGE, OR HAS BEEN TAMPERED OR REPAIRED BY UNAUTHORIZED PERSON.

— IMPORTANT —

THIS WARRANTY IS VALID ONLY IF ACCOMPANIED BY THE SALES INVOICE SHOWING DATE OF PURCHASE, MODEL AND SERIAL NUMBERS.

CONTENT

INTRODUCTION

Sharp's pioneering research and achievement in electronic engineering have finally developed the ultra compact and efficient machine.

Newly developed Super mini-sized calculator EL-801 is a typical pocket-size calculator having as many features as possible.

The unit can be operated on four UM-3 type dry batteries, and on optional rechargeable Ni-Cd batteries.

Small sized but has the great power.

An ideal calculator that goes anywhere with you.

OUTSTANDING FEATURES

★ Super-compact, space-age styling
The EL-801 is so small it fits in the palm of the hand.

★ Super-miniaturization maximizes portability
C-MOS LSI miniaturization enormously reduces overall dimensions and weight. Increases reliability and efficiency.

★ Constant multiplication and division
In multiplication or division, multiplicand or divisor memorized as a constant number automatically.

★ Direct chain multiplication and division

★ Repeat addition and subtraction

★ Zerosuppress system

★ Battery level indicator (LED lamp)

★ Minus sign indicator

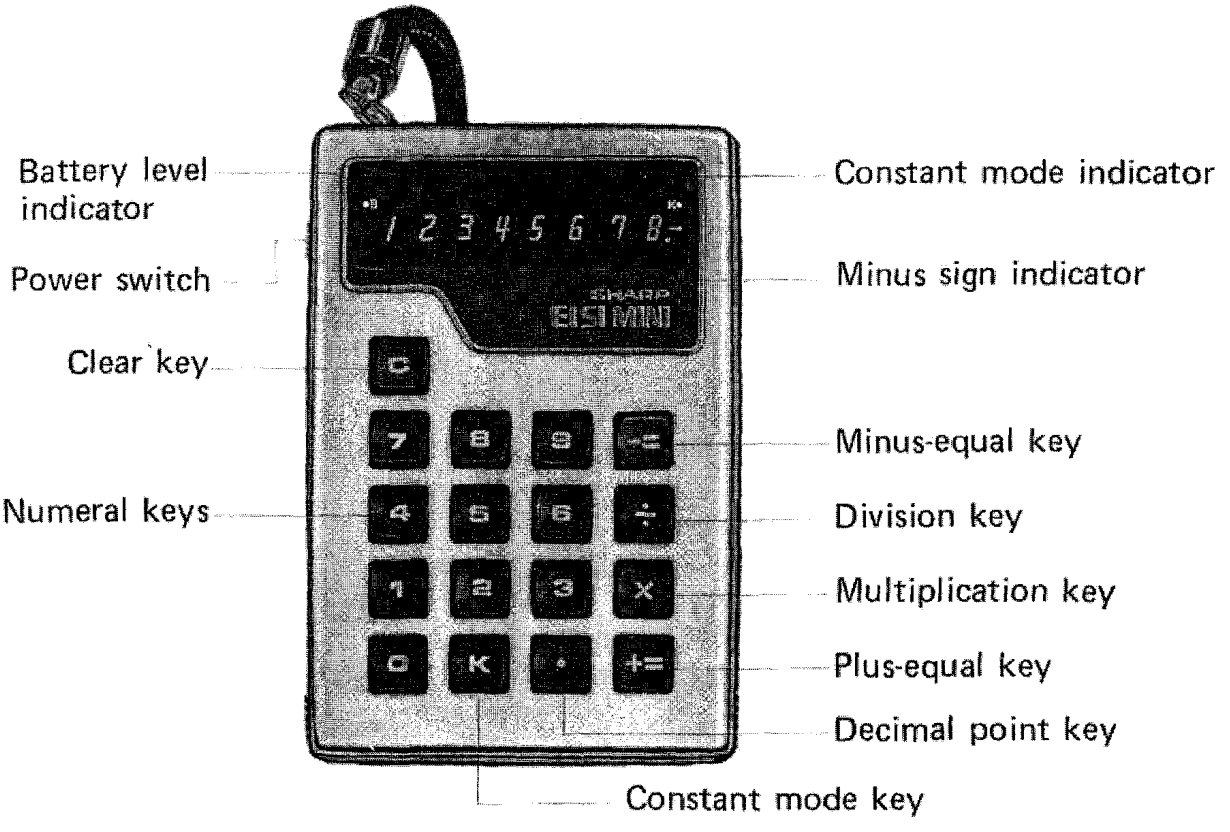
★ Complete floating decimal point positioning

★ 15 hours' operation is capable on dry battery by the adoption of C-MOS.

★ Multi-selection power source
- Dry battery operation (UM-3 x 4 pcs)
- Rechargeable Ni-Cd battery operation with optional adaptor and rechargeable battery unit.
- AC operation while charging the rechargeable battery with the optional adaptor.

★ Rapid charging
When AC power is supplied and the power switch is set at OFF position, the Ni-Cd battery unit can be recharged rapidly in about 5 hours. The unit can be operated for about 5 hours.

EVERY PART DESIGNATION



KEY IDENTIFICATION

K Constant key
Used for carrying out calculations by constant.
Designates constant calculation mode by depressing **K** key and constant mode indicator turns on. Depress the **K** key again to clear the constant calculation mode and constant mode indicator turns off.

C Clear key
Clears all the contents.

0 ~ **9** Numeral keys

. Decimal point key

× Multiplication key
Orders multiplication and starts operation when chain calculations are performed.

÷ Division key
Orders division and starts operation when chain calculations are performed.

+= Plus equal key
Derives sum, product, or quotient.

−= Minus equal key
Orders subtraction. Also derives product or quotient in the case of negative multiplier or divisor.

INDICATION LAMP

– **Minus sign indicator**
Turns on when the displayed number is negative or minus zero.

K● **Constant mode indicator**
Turns on when the unit is in constant calculation mode.

●B **Battery indicator**
Turns on when the battery voltage is below the regular limit.

POWER SWITCH

Push the switch down at OFF position and slide to ON position, the switch will automatically come out and the unit is ready for calculation.

HOW TO REPLACE DRY BATTERY

1. First set the power switch at OFF position.
2. Pull out the battery case grasping it as Fig.(1) and set four UM-3 type dry batteries in the battery case. (Fig 2)
   Be sure not to take the positive pole for the negative pole.
3. Replace the battery case after setting four dry batteries. (Fig. 1)

Fig (1)

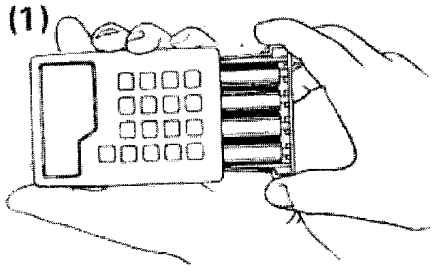
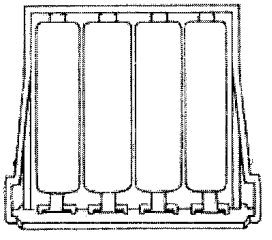


Fig (2)



OPERATION

- ADDITION and SUBTRACTION

	EXAMPLES	OPERATION
1	123 + 456 + 789 = 1.368	123 [+] 456 [+] 789 [=] 1368
2	35.62 − 0.53 − 40.15 = -5.06	35.62 [+] .53 [−] 40.15 [=] 5.06-

- REPEAT ADDITION and SUBTRACTION

	EXAMPLES	OPERATION
1	345 + 345 -123 -123 + 789 -789 = 444	345 [+] [+] 123 [−] [−] 789 [+] [−] 444.

- SUCCESSIVE MULTIPLICATION and DIVISION

	EXAMPLES	OPERATION
1	1.1 x 2.2 x 3.3 x 4.4 = 35.1384	1.1 [×] 2.2 [×] 3.3 [×] 4.4 [=] 35.1384
2	9.9 ÷ 8.8 ÷ 7.7 ÷ 6.6 = 0.0221369	9.9 [÷] 8.8 [÷] 7.7 [÷] 6.6 [=] 0.0221369

- MULTIPLICATION and DIVISION by CONSTANT

	EXAMPLES	OPERATION
1	99.99 x 11.11 = 1110.8889	[×] 99.99 [×] 11.11 [=] 1110.8889
	99.99 x 33.33 = 3332.6667	33.33 [=] 3332.6667
	99.99 x 44.44 = 4443.5556	44.44 [=] 4443.5556
2	11.11 ÷ 77.77 = 0.1428571	[×] 11.11 [÷] 77.77 [=] 0.1428571
	33.33 ÷ 77.77 = 0.4285714	33.33 [=] 0.4285714
	44.44 ÷ 77.77 = 0.5714285	44.44 [=] 0.5714285

• POWER CALCULATION

	EXAMPLES	OPERATION
1	(1) $3^2 = 9$ (2) $3^3 = 27$ (3) $3^4 = 81$	[×] 3 [×] [=] 9 ..... (1) [=] 27 ..... (2) [=] 81 ..... (3)
* 2	$(((2^2)^2)^2)^2 = 2^{16} = 65536$	2 [×] [=] 4 [×] [=] 16 [×] [=] 256 [×] [=] 65536

* Note: In this case there is no need to designate constant calculation mode.

• MIXED CALCULATION

	EXAMPLES	OPERATION
1	$\frac{(5 + 12) \times 0.2 + 48 - 16}{4} = 8.85$	5 [=] 12 [=] [×] .2 [=] 48 [=] 16 [=] [÷] 4 [=] 8.8500000

• TAX CALCULATION and DISCOUNT CALCULATION

Price of $300 articles with 11% tax included.

EXAMPLES		OPERATION
1	300 + 300 x 0.11 = 333 dollars	300 ⊠ .11 ⊜ 33.00 Tax value ⊜ 333.00 Ans.

Price of $300 articles with 12% discount.

EXAMPLES		OPERATION
1	300 − 300 x 0.12 = 264 dollars	300 ⊠ .12 ⊜ 36.00 − Discount Value. ⊜ 264.00 Ans.

• CORRECTING MISTAKES

EXAMPLES		OPERATION
1	4 + 3 + ~~22~~ 2 = 9	4 ⊕ 3 ⊕ 22 ⊖ ⊖ 2 ⊕ 9
2	7 ÷ 9 → 7 x 9	7 ⊡ ⊠ 9 = 63

SPECIFICATION

Power source:	Dry battery: UM-3 x 4 Rechargeable Ni-Cd battery: UM-3(1/2 type) x 5; (optional) AC power source by using AC adoptor and Ni-Cd battery (optional)
Capacity:	
Display digits:	8 digits
Addition & subtraction:	8 digits ± 8 digits = 8 digits
Multiplication:	8 digits x 8 digits = 8 digits
Division:	8 digits ÷ 8 digits = 8 digits
Decimal point:	Complete floating decimal point
Sign indication:	Minus sign indicator, constant mode indicator, battery level indicator
Calculations:	4 arithmetical calculations, successive multiplication and division, multiplication and division by constant, power calculation, discount (tax) calculation, repeat addition/ subtraction, mixed calculations, etc.
Components:	C-MOS LSI, etc.
Temperature:	0°C–40°C (32°F–104°F)
Dimensions:	74mm(W) x 28mm(H) x 104mm(D)
Weight:	225g (0.5 lbs.)

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