

WARRANTY

Sharp Electronics Corporation warrants to the original purchaser that this product is free from defective materials and workmanship. Sharp will remedy any defective part for a period of 5 years from date of purchase. Additionally, for a period of 90 days from date of purchase there is no labor charge. This warranty does not apply to carrying case and strap, and batteries, nor to misuse or abuse. If this unit has been altered, or repaired by other than an authorized Sharp Factory Service Center, no warranty is in force. The unit, together with dated proof of purchase and \$3.00 for handling, must be sent to the Sharp Factory Service Center nearest you. This warranty does not apply to this unit if purchased outside the United States.

1. INTRODUCTION



Small, fast, and easy. That's our new handy pocket size EL-8005. Yet you can perform complicated calculations up to 8 digits.

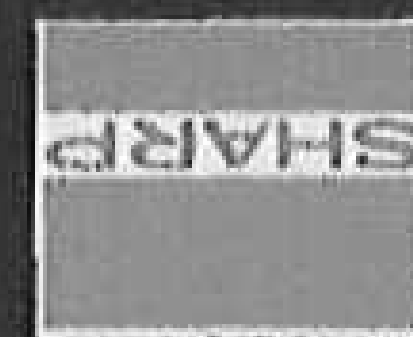
Printed in Japan

ELECTRONIC CALCULATOR
EL-8005
INSTRUCTION MANUAL

SHARP COMPET



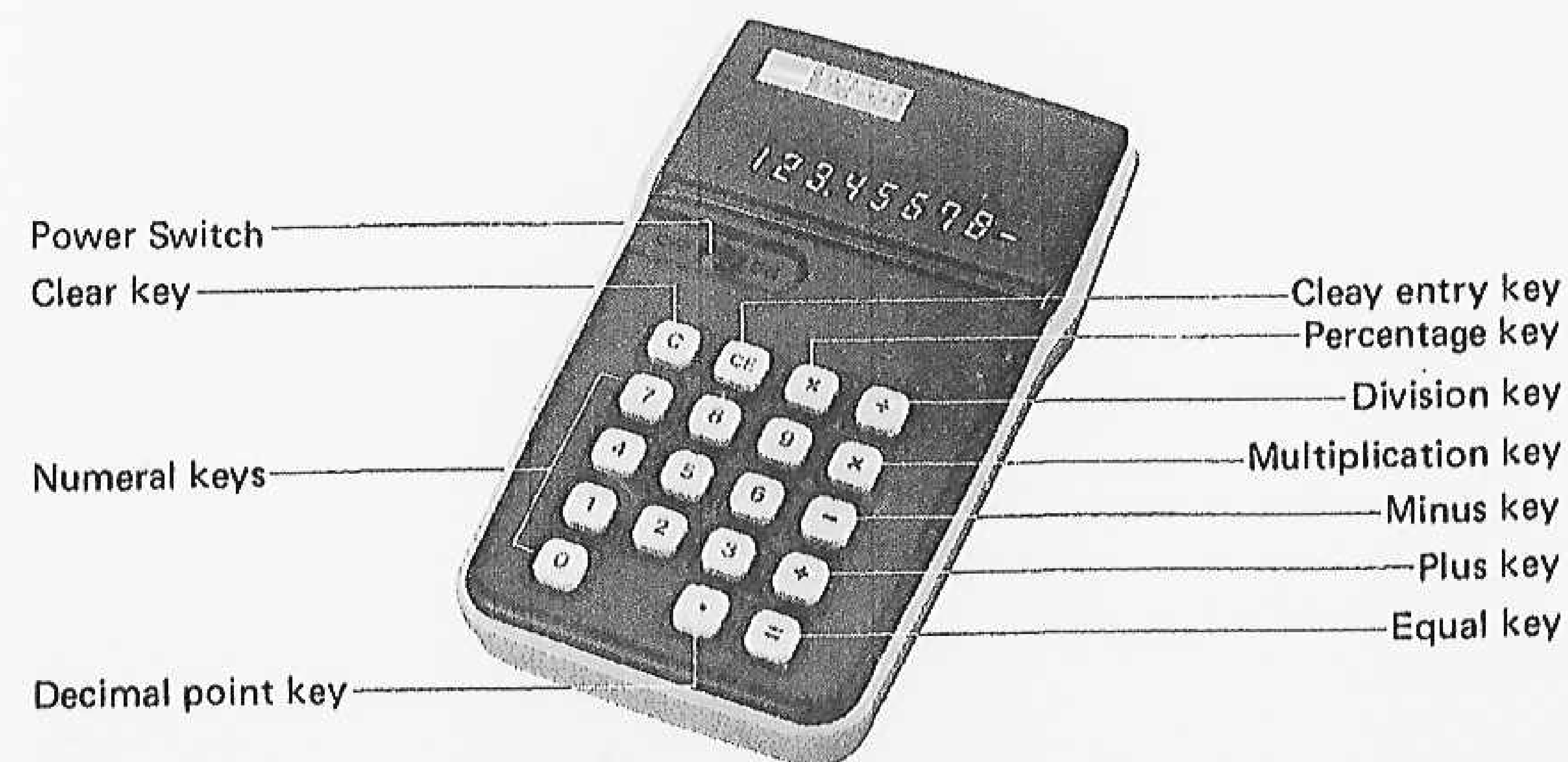
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2. OUTSTANDING FEATURES

- ★ Easy-to-read zero suppress system
- ★ Overflow error check device
- ★ Easy-to-operate algebraic operation
- ★ Convenient tax/discount calculation
- ★ Automatic constant calculation
- ★ Percentage calculation
- ★ Power calculation
- ★ Chain multiplication and division

3. KEY LAYOUT CHART



4. OVERFLOW ERROR

Overflow error occurs in the following cases.

1. When the integer portion of sum, difference, product or quotient exceeds 8 digit
2. When a number is divided by zero.

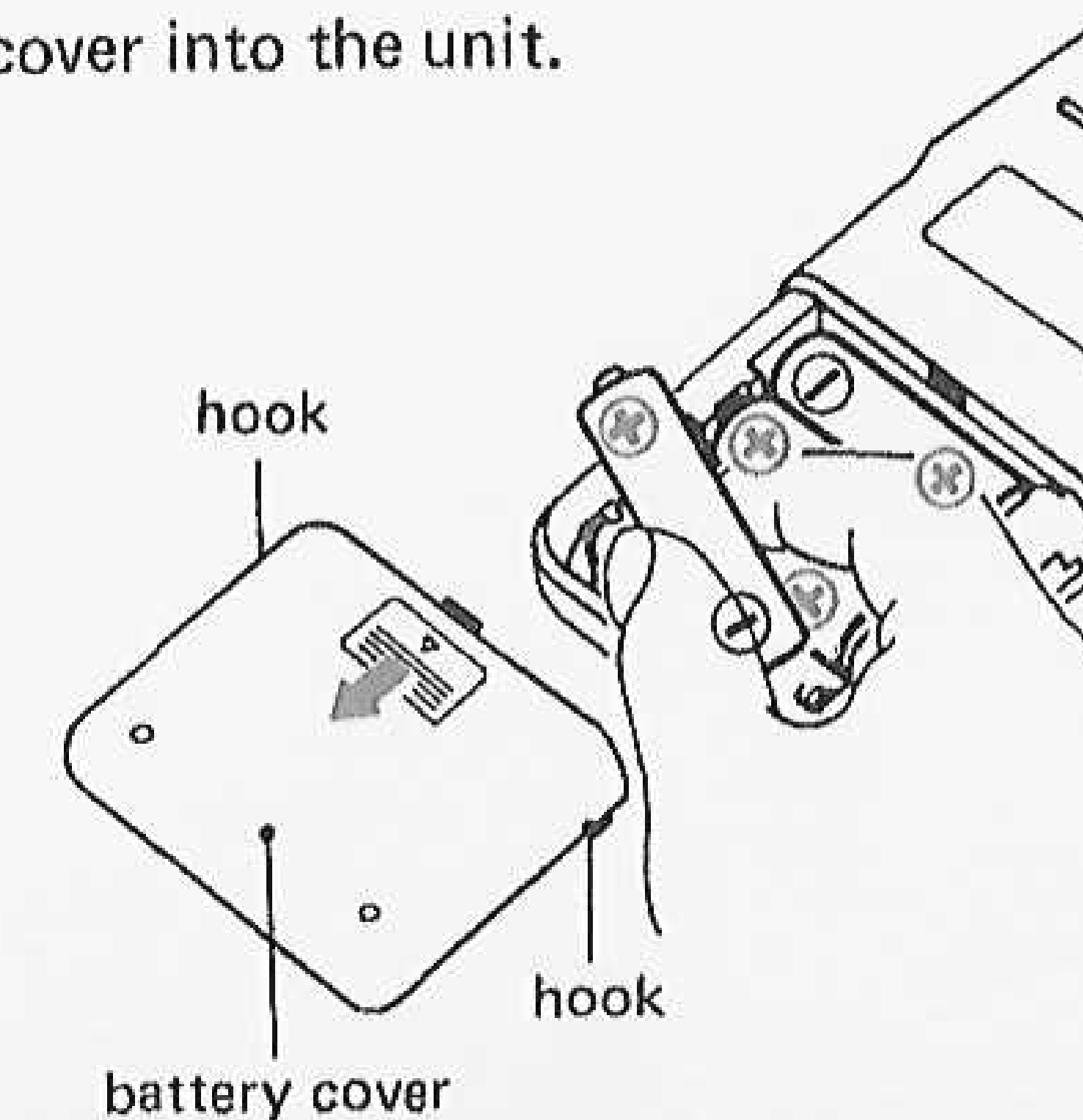
When an overflow error is detected, all the decimal points and a zero are displayed. An overflow error symbol (E) turns on (or (E) turns on). An overflow error electronically interlocks all keys except **C** key. An overflow error is released by pressing **C** key.

CAUTION

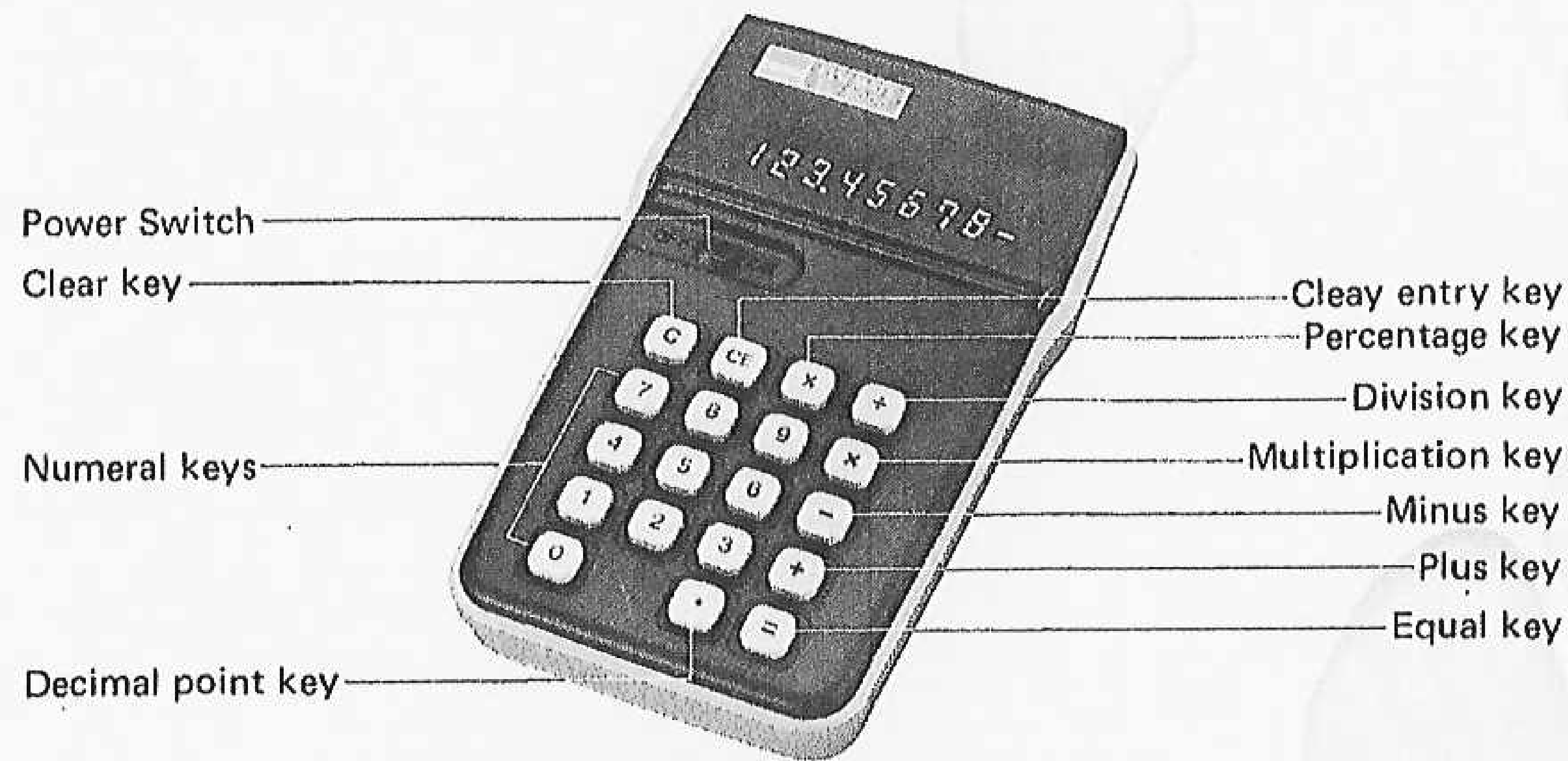
1. When the voltage of the battery is lowered, the display will become dark. In such a case please exchange the battery with new one.
2. In case you do not use this calculator for a long time, please take out the battery and preserve it in a dry, cool and shady place.

5. HOW TO REPLACE THE DRY BATTERY

1. First set the power switch at off position.
2. Slide the battery cover in the direction of an arrow mark and take it out.
3. Put SUM-3E type dry battery (x4) in the unit. Take care not to mistake the battery polarity.
4. Slide the battery cover into the unit.



6. KEY LAYOUT CHART



7. OPERATIONS

CALCULATION EXAMPLES

(1) Addition & Subtraction

	Examples	Operation
1.	$1.23 + 456 - 458 + 3 = 2.23$	$1.23 \text{ + } 456 \text{ - } 458 \text{ + } 3 \text{ = } \rightarrow 2.23$
2.	$123 + 456.7 - 3 + 0.9999 + 1.3001 = 579$	$123 \text{ + } 456.7 \text{ - } 3 \text{ + } .9999 \text{ + } 1.3001 \text{ = } \rightarrow 579.$

(2) Multiplication & Division

	Examples	Operation
1.	$3.6 \times 42.8 = 154.08$	$3.6 \text{ x } 42.8 \text{ = } \rightarrow 154.08$
2.	$(-264) \div 12 = -22$	$\text{G } - \text{ 264 } \div 12 \text{ = } \rightarrow 22.-$

(7) Percentage calculation

	Examples	Operation
1.	$100 \times (20\%) = 20$ $5 \div (9\%) = 55.555555 \dots\dots$	$100 \text{ x } 20 \text{ \% } \rightarrow 20.$ $5 \div 9 \text{ \% } \rightarrow 55.555555$
2.	$5 \times (9\%) = 0.45$ $5 \times (6\%) = 0.3$ $5 \times (7\%) = 0.35$	$5 \text{ x } 9 \text{ \% } \rightarrow 0.45$ $6 \text{ \% } \rightarrow 0.3$ $7 \text{ \% } \rightarrow 0.35$
3.	$5 \div (9\%) = 55.555555 \dots\dots$ $6 \div (9\%) = 66.666666 \dots\dots$ $7 \div (9\%) = 77.777777 \dots\dots$	$5 \div 9 \text{ \% } \rightarrow 55.555555$ $6 \text{ \% } \rightarrow 66.666666$ $7 \text{ \% } \rightarrow 77.777777$

(8) Correcting mistakes

Ex. 1 $123 + \underline{556}$ (mistake) $\xrightarrow{\quad\quad\quad}$ $\underline{456}$ (correct)

Operation

$123 \text{ + } 556 \text{ CE } 456 \text{ = } \rightarrow 579.$

Ex. 2 $123 - \underline{556}$ (mistake) $\xrightarrow{\quad\quad\quad}$ $\underline{456}$ (correct)

Operation

$123 \text{ - } 556 \text{ CE } - \text{ 456 } \text{ = } \rightarrow 333.-$

In case of subtraction, if "556" is mistakenly entered, press **CE** key and **-** key again and then enter correct number "456".

Ex. 3 $5 \times \underline{8}$ (mistake) $\xrightarrow{\quad\quad\quad}$ $\underline{9}$ (correct)

Operation

$5 \text{ x } 8 \text{ CE } 9 \text{ = } \rightarrow 45.$

(3) Power calculation & Reciprocal calculation

	Examples	Operation
1.	$5^2 = 25, 5^3 = 125, 5^4 = 625$	5 X = → 25. = → 125. = → 625.
2.	$1/5 = 0.2$	5 ÷ = → 0.2

(4) Chain calculation

	Examples	Operation
1.	$10 \div 5 \times 3 = 6$	10 ÷ 5 X 3 = → 6.
2.	$1.1 \times 2.2 \times 3.3 \div 4.4 = 1.815$	1.1 X 2.2 X 3.3 ÷ 4.4 = → 1.815

(5) Tax/discount calculation

	Examples	Operation
1.	$100 - 100 \times 0.2 = 80$	100 X .2 = → 80.
2.	$100 - 100 \times (20\%) = 80$	100 X 20 % = → 80.
3.	$100 + 100 \times 0.2 = 120$	100 X .2 + = → 120.
4.	$100 + 100 \times (20\%) = 120$	100 X 20 % + = → 120.

(6) Constant calculation

	Examples	Operation
1.	$1.23456 \times 3 = 3.70368$ $1.23456 \times 0.23 = 0.2839488$ $1.23456 \times 103,234.78 = 127,449.52$	1.23456 X 3 = → 3.70368 .23 = → 0.2839488 103234.78 = → 127449.52
2.	$(-5) \times 9 = (-45)$ $(-5) \times 6 = (-30)$ $(-5) \times 1.11 = (-5.55)$	C - 5 X 9 = → 45.- 6 = → 30.- 1.11 = → 5.55 -
3.	$5 \div 9 = 0.5555555 \dots$ $6 \div 9 = 0.6666666 \dots$ $18 \div 9 = 2$	5 ÷ 9 = → 0.5555555 6 ÷ = → 0.6666666 18 ÷ = → 2.

8. SPECIFICATIONS

Power source:	Dry battery operation operates for 16 hours on four manganese (SUM-3E) dry batteries ... at 20°C (AM-3x4...26H) (Slightly changes according to the kinds of the batteries and the way of use.) AC operation with optional AC adaptor (EA-14A).
Display:	Iron
Capacity:	Display 8 digits
Decimal point:	Complete floating decimal point system.
Sign indicator:	Minus sign indicator (-) overflow error indicator (E, E)
Calculations:	4 arithmetic calculations, constant multiplication and division, chain multiplication and division, square calculation, power calculation, tax/discount calculation, reciprocal calculation, percentage calculation, mixed calculation.
Temperature:	0°C ~ 40° (32°F ~ 104°F)
Components:	LSI, etc.
Power consumption:	DC: 0.45W AC: 2.4W
Dimensions:	85(W) x 26(H) x 137.5(D)mm 3-3/8"(W) x 1-1/32"(H) x 5-7/16"(D)
Weight:	225g (0.495 lbs.) (with dry batteries)

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