

# Sanyo Mini Electronic Calculator CX-8007 Instruction Manual



 **SANYO**  
SANYO ELECTRIC TRADING CO., LTD.  
OSAKA, JAPAN

R-4770667

 **SANYO**

# CONTENTS

---

|   |   |
|---|---|
| 1. Features .....                             | 1 |
| 2. Name of Parts .....                        | 2 |
| 3. Keys, Switches and Indicators .....        | 3 |
| 4. Battery Recharging .....                   | 5 |
| 5. Preparations .....                         | 5 |
| 6. Calculations .....                         | 6 |
| 1. Addition and subtraction .....             | 6 |
| 2. Multiplication and division .....          | 6 |
| 3. Constant multiplication and division ..... | 7 |
| 4. Mixed calculation .....                    | 7 |
| 5. Power calculation .....                    | 7 |
| 6. Increase/decrease calculation .....        | 8 |
| 7. Reciprocal calculation .....               | 8 |
| 7. Specifications .....                       | 9 |

## 1. FEATURES

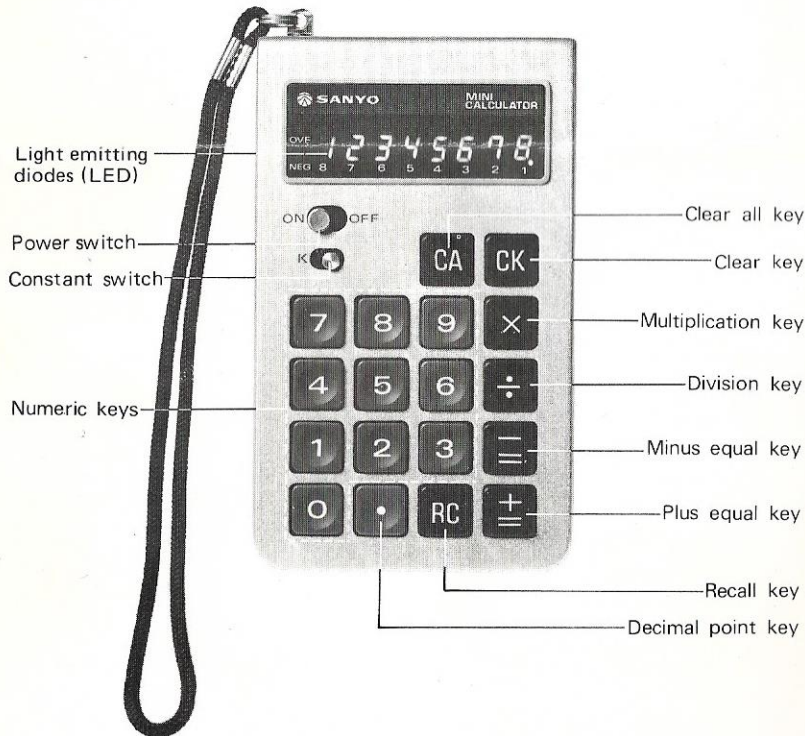
1. Three registers with under-flow and floating decimal point enables you to do complicated calculations.
2. Bright, clear, easy to read light emitting diodes with zero suppression.
3. Full calculating versatility with constant calculations, mixed calculations, power calculations, etc.
4. Provided with constant switch.  
Constant calculations and power calculations can be easily accomplished by using this switch.
5. Two convenient power sources.  
Built-in rechargeable CADNICA batteries provide complete portability. They can be recharged by plugging into the nearest AC outlet.

## 2. NAME OF PARTS

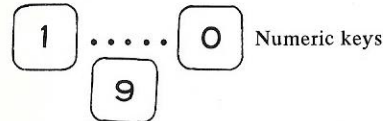
AC adaptor

100V/120V

220V/240V



## 3. KEYS, SWITCHES AND INDICATORS



The appropriate figures are indexed by depressing these keys.



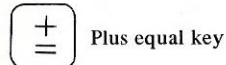
Depress this key at the appropriate position when registering a figures with a decimal point.



Clears entire machine.



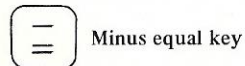
Clears only the last keyboard entry.



Depressing this key has the following effects:

With additions... the registered figures are added into the calculator.

With multiplications and divisions... products and quotients are displayed.



Depressing this key has the following effects:

With subtractions .... the registered figures are subtracted from the results of previous calculation.

When the result is negative, the negative indicator lights and it is displayed as a credit balance.

With multiplications and divisions....

When the result is negative, the negative indicator lights and it is displayed as a credit balance.



**Multiplication key**

When multiplying, depress this key after registering the multiplicand.

If this key is depressed after already registering the multiplier, it serves as the plus-equal key.



**Division key**

When dividing, depress this key after registering the dividend.

If this key is depressed after already registering the divisor, it serves as the plus-equal key.



**Recall key**

Used for reciprocal calculations.




**Constant switch**

For use in the calculations with a constant multiplicand or divisor, switch to the "K" position before beginning the calculation. In ordinary calculations, it must be always switched off.

● **Negative indicator**  
NEG

This indicator lights when the registered figures and results are negative.


● **Over-flow indicator**  
OVF

When a registered figures or the integer parts of result exceed 8 digits and the divisor is zero, this indicator lights and all figures on the display are cancelled. Start the calculations after depressing  key when over-flow occur.

## 4. BATTERY RECHARGING

- \* Recharge before using for the first time.
- \* Built-in lifetime rechargeable CADNICA batteries.  
The batteries are rechargeable, small, hermetically sealed cells. They never need replacing and are handy and economical to use.
- \* Recharging procedure;
  1. Insert adaptor AC plug into power outlet.
  2. Insert adaptor DC plug into the socket as far as it will go.
  3. Turn the power switch off for recharging.
- \* Recharging of totally exhausted batteries take at least 15 hours with the power switch off.

## 5. PREPARATIONS

1. Turn the power switch on.
2. Depress the  key before starting the calculations.

## 6. CALCULATIONS

### 1. Addition and subtraction

Depress the **CA** key before additions and subtractions, and switch off the constant switch.

Ex. 1  $456 + 789 = 1245$

**CA** 456  $\pm$  789  $\pm$  1245.

Ex. 2  $456 - 123 = 333$

**CA** 456  $\pm$  123  $\equiv$  333.

Ex. 3  $456 - 789 + 123 = -210$

**CA** 456  $\pm$  789  $\equiv$  123  $\pm$  **NEG** 210.

### 2. Multiplication and division

Ex. 1  $1.2345 \times 32.4567 = 40.067796$

1  $\cdot$  2345  $\times$  32  $\cdot$  4567  $\pm$  40.067796

Ex. 2  $328.43 \div 25.7 = 12.779377$

328  $\cdot$  43  $\div$  25  $\cdot$  7  $\pm$  12.779377

Ex. 3  $456 \div 57 \times 123 = 984$

456  $\div$  57  $\times$  123  $\pm$  984.

### 3. Constant multiplication and division

The multiplicand and divisor is the constants.

Ex. 1  $3.14 \times 2 = 6.28$   
 $3.14 \times 3 = 9.42$   
 $3.14 \times 3.5 = 10.99$

K  $\odot$  3  $\cdot$  14  $\times$  2  $\pm$  6.28

3  $\pm$  9.42

3  $\cdot$  5  $\pm$  10.99

Ex. 2  $56 \div 2.8 = 20$   
 $63 \div 2.8 = 22.5$   
 $14.7 \div 2.8 = 5.25$

K  $\odot$  56  $\div$  2  $\cdot$  8  $\pm$  20.

63  $\pm$  22.5

14  $\cdot$  7  $\pm$  5.25

### 4. Mixed calculation

Ex. 1  $3.6 \times 2 \div 8 = 0.9$

3  $\cdot$  6  $\times$  2  $\div$  8  $\pm$  0.9

Ex. 2  $(2.3 \times 2) - 3 = 1.6$

2  $\cdot$  3  $\times$  2  $\pm$  3  $\equiv$  1.6

### 5. Power calculation

$1.2^3 = 1.728$

K  $\odot$  1  $\cdot$  2  $\times$   $\pm$   $\pm$   $\pm$  1.728

## 6. Increase/decrease calculation

Obtain the sales price.  
\$1,000 less 10% plus 8% tax.

CA 1000 × . 1 = ±

900. Discount

× . 08 ± ±

972. Sales price

## 7. Reciprocal calculation

Ex. 1 
$$\frac{1}{2 \times 3 \times 4 + 5} = 0.0344827$$

CA 2 × 3 × 4 ± 5 ±

29.

± 1 RC ±

0.0344827

Ex. 2 
$$\frac{1}{(6 + 2) \div 2 + 4} = 0.125$$

CA 6 ± 2 ± ÷ 2 ± 4 ±

8.

÷ 1 RC ±

0.125

## 7. SPECIFICATIONS

|                             |   |
|-----------------------------|---|
| Type                        | Mini electronic calculator  |
| Model                       | CX-8007   |
| Numeric keys                | 10 key system   |
| Display                     | Full size light emitting diodes (LED) with zero suppression and under flow  |
| Credit balance              | True number with a negative indicator   |
| Decimal point               | Fully floating  |
| Calculations                | Input Max. 8 digits<br>Add./sub. Max. 8 digits ±8 digits<br>Mult. Max. 8 digits × 8 digits=8 digits<br>Div. Max. 8 digits ÷ 8 digits=8 digits |
| Functions                   | Basic calculations, constant calculations, power calculations, mixed calculations, etc.   |
| Semiconductors              | LSI, IC   |
| Operating temperature range | 0°C - 40°C (32°F - 104°F)   |
| Power supply                | AC/DC AC (AC adaptor) ... local voltage ±10%<br>50/60 Hz<br>DC ... 4N-500AA-S CADNICA batteries   |
| Power consumptions          | AC adaptor: 3W, Calculator: 1W.   |
| Dimensions                  | 28(H) × 70(W) × 120(D) mm<br>1-1/8(H) × 2-3/4(W) × 4-3/4(D) inch  |
| Weight                      | 260g (9 ozs.)   |

NOTE: We can accept no responsibility for damage resulting from unauthorized disassembly of the calculator. Please call your local Sanyo service center for repair.