

Scientific Calculator

User Manual

FEATURES

- 8/10 digits with a sign LCD display
- Automatic shutdown when the calculator is not in use for 12 minutes
- Chain and percentage calculations
- Memory calculations
- Dual-power supply
 - Solar power panels
 - Backup battery for insufficient light conditions.

GENERAL INSTRUCTIONS

- **AC** **ON/C** : OFF - press to turn on the calculator.
ON – press to clear all data.
- **CE** : Press to clear the last entry.
- **OFF** : Press to turn the calculator off.
- **.** : Press to put a decimal point.
- **+** **-** **×** **÷** **%** (**√** **+/.**) : Press one of the basic functions you want to perform.

SIGN INDICATION

- **E** : Indication of an overflow error.
- **-** : Indication of a negative.
- **M** : Memory mark.

MEMORY FUNCTIONS

- **M+** : Press to add the displayed contents to the memory.
- **M-** : Press to subtract the displayed contents to the memory.
- **MR** : Press to recall memory.
- **MC** : Press to clear memory.
- **MC** : Press to clear memory.
- **MRC** : Press once to recall memory. Press twice to clear memory.

1. Addition and Subtraction

$$123 + 456 - 789 = -210 \rightarrow \boxed{\text{ON/C}} \boxed{123} \boxed{+} \boxed{456} \boxed{+} \boxed{789} \boxed{=}$$

2. Multiplication

$$45.6 \times 7.89 = 359.784 \rightarrow \boxed{\text{ON/C}} \boxed{45} \boxed{\cdot} \boxed{6} \boxed{\times} \boxed{7} \boxed{\cdot} \boxed{89} \boxed{=}$$

3. Division

$$-3 \div 4 = -0.75 \rightarrow \boxed{\text{ON/C}} \boxed{3} \boxed{+/-} \boxed{\div} \boxed{4} \boxed{\cdot} \boxed{89} \boxed{=}$$

4. Calculations with a Constant

$$12 \times 2 = 24 \rightarrow \boxed{\text{ON/C}} \boxed{12} \boxed{\times} \boxed{2} \boxed{=}$$

$$12 \times 5 = 60 \rightarrow \boxed{\text{ON/C}} \boxed{12} \boxed{\times} \boxed{5} \boxed{=}$$

$$3 \div 12 = 0.25 \rightarrow \boxed{\text{ON/C}} \boxed{3} \boxed{\div} \boxed{12} \boxed{=}$$

$$6 \div 12 = 0.5 \rightarrow \boxed{\text{ON/C}} \boxed{6} \boxed{\div} \boxed{12} \boxed{=}$$

5. Percentages

$$150 \times 20\% = 30 \rightarrow \boxed{\text{ON/C}} \boxed{150} \boxed{\times} \boxed{20} \boxed{\%}$$

$$150 \times (1 + 20\%) = 180 \rightarrow \boxed{\text{ON/C}} \boxed{150} \boxed{+} \boxed{20} \boxed{\%}$$

$$150 \times (1 - 20\%) = 120 \rightarrow \boxed{\text{ON/C}} \boxed{150} \boxed{-} \boxed{20} \boxed{\%}$$

6. Power Calculations

$$2^3 = 8 \rightarrow \boxed{\text{ON/C}} \boxed{2} \boxed{\times} \boxed{=}$$

7. Chain Calculations

$$\frac{-25 \times 40 + 100}{9} \times \frac{1}{2} = -50 \rightarrow \boxed{\text{ON/C}} \boxed{25} \boxed{+/-} \boxed{\times} \boxed{40} \boxed{+} \boxed{100} \boxed{\div} \boxed{9} \boxed{\div} \boxed{2} \boxed{=}$$

8. Memory Calculations

$$(12 \times 4) - 20 \div 2 = 38 \rightarrow \boxed{\text{ON/C}} \boxed{12} \boxed{\times} \boxed{4} \boxed{\text{M+}} \boxed{20} \boxed{\div} \boxed{2} \boxed{\text{M-}} \boxed{\text{MRC}} \boxed{\text{MRC}}$$

9. Square Root

$$\sqrt{144} = 12 \rightarrow \boxed{\text{ON/C}} \boxed{144} \boxed{\sqrt{}}$$

This manual is only for reference. The actual operation is subject to the unit model.