before operation

1. Load the thermal Print Tape. Hold both side edges of the cassette, slip it into the rear slot, and set into position by pressing it gently.
2. Shift the power switch to "ON".
3. Touch the key. The letter "C" will be printed on the tape and it will be advanced.
4. Touch the key before starting addition or subtraction. In multiplication or division, clearing takes place automatically which eliminates the necessity of touching the key.
5. Detach the used tape by using the cutter at the tape exit.

Power Switch: To switch on or off the power circuit.
Clear Key: To clear all entries and calculations.
Decimal Point Key: To enter fractional numerals. Press at the normal decimal point position.
Battery Charge Socket: To charge with the exclusive Battery Charger.
Thermal Print Tape: To print calculation steps and results.

Magnifying Window: To magnify printed figures for clear and easy reading.
Clear Indicator Key: To erase an entry and correct a double entry.
Multiplication Key: Touch after entering multiplicand.
Division Key: Touch after entering dividend.
Minus Key: Touch after entering subtrahend or negative minuend.
Plus Key: Touch after entering augend, addend, or positive minuend.
Print-Equal Key: To obtain the result. Results are automatically printed out.

operational examples

Addition and Subtraction
12 + 45 - 6 = 51
Operation : 1 2 ⌜ 4 5 ⌜ 6 ⌜ 5 1
Printed as : 12 + 45 - 6 = 51.0000
5 - 8.25 = -3.25
Operation : 5 ⌜ 8 2 5 ⌜ 3 2 5
Printed as : 5 - 8.25 = -3.2500
Press the key before starting addition or subtraction.

Multiplication and Division
1.23 × 4.56 = 5.6088
Operation : 1 2 3 ⌜ 4 5 6 ⌜ 5 6 8 8
Printed as : 1.23 × 4.56 = 5.6088
456 ÷ 123 = 3.7073
Operation : 4 5 6 ⌜ 1 2 3 ⌜ 3 7 0 7 3
Printed as : 456 ÷ 123 = 3.7073
In multiplication and division, clearing takes place automatically, eliminating the necessity of pressing the key.

Chain Multiplication and Division
2 × 3 × 4 = 24
Operation : 2 ⌜ 3 ⌜ 4 ⌜ 2 4
Printed as : 2 × 3 × 4 = 24.0000

Calculations by a Constant
3.14 × 2 = 6.28
3.14 × 4 = 12.56
3.14 × 5 = 15.70
Operation : 3 1 4 ⌜ 2 ⌜ 6 2 8 ⌜ 1 2 5 6 0
Printed as : 3.14 ÷ 2 = 6.2800
4 = 12.5600
5 = 15.7000
1 ÷ 3 = 0.3333
2 ÷ 3 = 0.6666
Operation : 1 ⌜ 3 ⌜ 3 3 3 ⌜ 0 6 6 6 6
Printed as : 1 ÷ 3 = 0.3333
2 ÷ 3 = 0.6666

Raising to a Power
3² = 9 
3³ = 27 
3⁴ = 81
Operation : 3 ⌜ 2 ⌜ 9 ⌜ 3 ⌜ 2 7 ⌜ 8 1
Printed as : 3 × 9.0000 = 27.0000 = 81.0000

4th power, 8th power calculations can also be performed by pressing keys.
Operation : 3 ⌜ 2 2 2 (2nd power) ⌜ 8 ⌜ 4 (4th power)
Printed as : 3 × 9.0000 = 81.0000

Mixed Calculations
(10 + 15) × 40 = 1000
Operation : 1 0 ⌜ 1 5 ⌜ 4 0 ⌜ 1 0 0 0
Printed as : 10 + 15 = 25.0000 × 40 = 1000.0000
2 × 3 - 4 = 2
Operation : 2 ⌜ 3 ⌜ 4 ⌜ 2
Printed as : 2 × 3 = 6.0000 + 4 = -2.0000
1. When tape does not advance by touching the key, the Pocketronic must be recharged with the Battery Charger. In the case of the 20A model, the Pocketronic can be used while it is being charged.

2. When digits with whole numbers or 5 digits with decimals are entered, the Pocketronic will overflow and stop its operation. Clear the entry with the key, re-enter, and continue calculations. The letter “E” will be printed on the tape when the key is pressed. Example 1: 123.456789
   Operation: 123456789 Re-enter
   Printed as: 123456789

Example 2: 1.23456
   Operation: 1.23456 Re-enter
   Printed as: 1.23456

3. When the result overflows, the letter “C” is printed out and all calculation steps are automatically cleared. Example: 123.456 x 789012
   Operation: 123456 x 789012 C
   Printed as: 123.456 x 789012=C

4. When the entry or result overflows, perform calculation by shifting decimal places and make compensation with the result. When a mis-entry or double entry is made, clear it with the key and re-enter the correct numerals. The letter “E” will be printed on the tape after the incorrect numerals. Calculations can be proceeded by merely correcting the incorrect numerals. Example: 123 x 456 = 56088
   Operation: 123 x 456 = 456
   Printed as: 123 x 456 = 456 = 56088.000

5. Be sure to turn off the power switch after use. Always be sure the cassette tape is properly loaded when operating Pocketronic; otherwise the thermal print head may be damaged.


7. Types of Calculations : Addition, subtraction, multiplication, division, chain multiplication and division, calculations by a constant, raising to a power, mixed calculations.


9. Decimal Point : Fixed for 4 digits below decimal point. Automatic decimal point system. Result is dropped off.

10. Negative Number : True value is indicated with negative sign.

11. Overflow : Locks when 9 or more digits in the case of whole numbers and 5 or more digits in the case of decimals are entered. Entry is corrected with key. Result is automatically cleared with “C” mark.

12. Circuit Components : Three MOS-LSI's

13. Battery : Rechargeable nickel cadmium battery used. Usable for over 3 hours with one charge.

14. Printing Paper : Heat sensitive paper. 6mm (1/4") wide, approx. 80 meters (262') long in cassette.

15. Usable Temperature : 0°C-40°C (32°F-104°F).

16. Size : 101mm wide x 208mm long x 49mm high (4" wide x 8.3/16" long x 1-15/16" high).

17. Weight : 820 grams (1.8 lbs). Cassette : 60 grams (2.1 ozs).

18. Power Source : AC 100v/110-120v/220-240v 50/60 Hz

19. Power Consumption : Max. 1 w.

20. Hi-Speed Battery Charger 20A : Quick-charge system (approx. 3 hours). AC power useable through the charger. Battery Charger 10A is also available (charging time, 14 hours).

Subject to alterations.

CANON INC.
9-9, Ginza Sanchou, Chuo-ku, Tokyo 104, Japan

CANON U.S.A., INC.
70 Nevada Drive, Lake Success, Long Island, N.Y. 11040, U.S.A.

CANON U.S.A., INC., CHICAGO OFFICE
457 Fullerton Avenue, Elmhurst, Illinois 60126, U.S.A.

CANON OPTICS & BUSINESS MACHINES CO., INC.
3113 Wilshire Blvd., Los Angeles, California 90010, U.S.A.

CANON AMSTERDAM N.V.
Gebouw 70, Schiphol Distr., Holland

CANON LATIN AMERICA, INC.
Apartado 7022, Panama 5, Panama

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