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 [C] key. The letter "C" will be printed on the tape and it will be advanced.
4. Touch the [C] key before starting addition or subtraction. In multiplication or division, clearing takes place automatically which eliminates the necessity of touching the [C] key.
5. Detach the used tape by using the cutter at the tape exit.

Power Switch: To switch on or off the power circuit.

[C] **Clear Key:** To clear all entries and calculations.

[0] [1] — [9] **Numeral Keys:** To enter numerals.

[·] **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.
Maximum figure dimensions, 2.5×2mm (1/8× 1/16 in.). Cassette is packed with approx. 80 m (262 ft) length tape sufficient for 3,000 calculations.

Magnifying Window: To magnify printed figures for clear and easy reading.

[CI] **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.
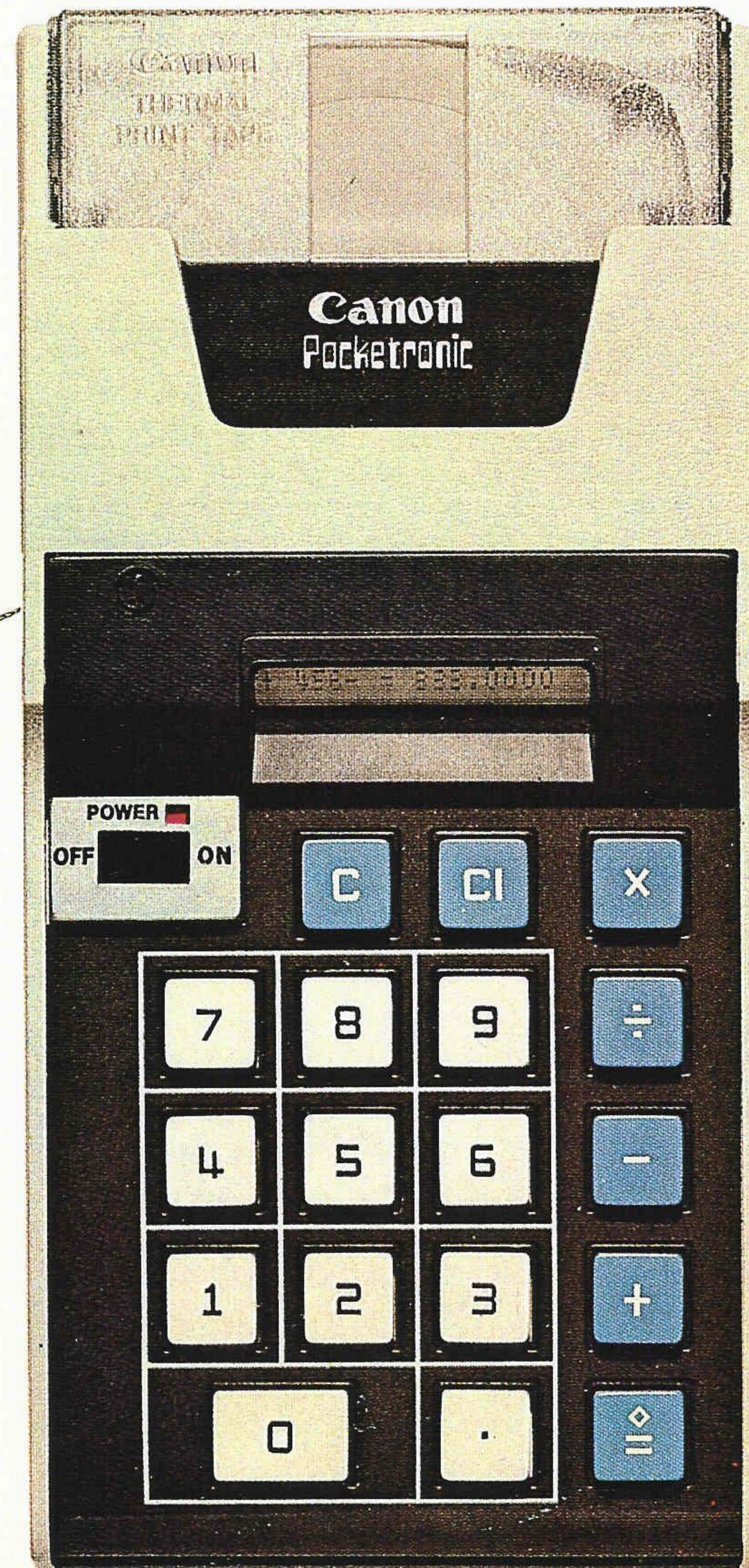
operational examples

Addition and Subtraction

$12+45-6=51$

Operation : [C] 12 [+] 45 [+] 6 [−] [◇]
Printed as : 12+45+6−=51.0000

$5-8.25=-3.25$

Operation : [C] 5 [+] 8.25 [−] [◇]
Printed as : 5+8.25−=−3.2500

Press the [C] key before starting addition or subtraction.

Multiplication and Division

$1.23\times4.56=5.6088$

Operation : 1.23 [×] 4.56 [◇]
Printed as : 1.23×4.56=5.6088

$456\div123=3.7073$

Operation : 456 [÷] 123 [◇]
Printed as : 456÷123=3.7073

In multiplication and division, clearing takes place automatically, eliminating the necessity of pressing the [C] key.

Chain Multiplication and Division

$2\times3\times4=24$

Operation : 2 [×] 3 [◇] [×] 4 [◇]
Printed as : 2×3=6.0000   ×4=24.0000

Calculations by a Constant

$3.14\times2=6.28$ $3.14\times4=12.56$ $3.14\times5=15.70$

Operation : 3.14 [×] 2 [◇] 4 [◇] 5 [◇]
Printed as : 3.14×2=6.2800   4=12.5600
5=15.7000

$1\div3=0.3333$ $2\div3=0.6666$

Operation : 1 [÷] 3 [◇] 2 [◇]
Printed as : 1÷3=.3333   2=.6666

Raising to a Power

$3^2=9$ $3^3=27$ $3^4=81$

Operation : 3 [×] [◇] [◇] [◇]
Printed as : 3×=9.0000   =27.0000   =81.0000

4th power, 8th power calculations can also be performed by pressing [×] [◇] keys.

Operation : 3 [×] [◇] (2nd power) [×] [◇] (4th power)
Printed as : 3×=9.0000   ×=81.0000

Mixed Calculations

$(10+15)\times40=1000$

Operation : [C] 10 [+] 15 [+] [◇] [×] 40 [◇]
Printed as : 10+15+=25.0000   ×40=1000.0000

$2\times3-4=2$

Operation : 2 [×] 3 [◇] [+] 4 [−] [◇]
Printed as : 2×3=6.0000   +4−=2.0000

note

1. When tape does not advance by touching the [c] key, the Pocketronic must be recharged with the Battery Charger. In the case of the 20 A model, the Pocketronic can be used while it is being charged.

2. When 9 digits with whole numbers or 5 digits with decimals are entered, the Pocketronic will overflow and stop its operation.

   Clear the entry with the [CI] key, re-enter, and continue calculations. The letter "E" will be printed on the tape when the [CI] key is pressed.

   Example 1: 123456789012

     Operation: 123456789 [CI] Re-enter
     Printed as: 123456789E

   Example 2: 1.234567

     Operation: 1.23456 [CI] Re-enter
     Printed as: 1.23456E

3. When the result overflows, the letter "C" is printed out and all calculation steps are automatically cleared.

   Example: 123456×789012

     Operation: 123456 [x] 789012 [≗]
     Printed as: 123456×789012=C

4. When the entry or result overflows, perform calculation by shifting decimal places and make compensation with the result.

5. When a mis-entry or double entry is made, clear it with the [CI] 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: 123×456=56088

     Operation: 123 [x] 465 [CI] 456 [≗]
     Printed as: 123×465E 456=56088.0000

6. Be sure to turn off the power switch after use.

7. Always be sure the cassette tape is properly loaded when operating Pocketronic; otherwise the thermal print head may be damaged.

specifications

Operational Digits : First factor, calculating numerals, and calculation result, 12 digits maximum. (Whole numbers, 8 digits. Decimals, 4 digits.)

Printing : Thermal printing. Entry, successive printing. Result, automatic printing.

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

Calculating and Printing Time : Max. 2 sec.

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

Negative Number : True value is indicated with negative sign.

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 [CI] key. Result is automatically cleared with "C" mark.

Circuit Components : Three MOS-LSIs.

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

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

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

Size : 101mm wide × 208mm long × 49mm high (4" wide × 8-3/16" long × 1-15/16" high).

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

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

Power Consumption : Max. 1 w.

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

Subject to alterations.

Canon Pocketronic
Instructions

English Edition