

≡≡≡ Unisonic[®] 790R ≡≡≡

8 DIGIT POCKETABLE CALCULATOR

WITH $\sqrt{\quad}$ EX $\frac{1}{x}$ % CM RM M- M+

790R-C

INSTRUCTION MANUAL

FEATURES AND SPECIFICATIONS

1. DISPLAY

8-digit capacity
Zero suppression
Minus sign
Memory sign
Overflow condition indicator

2. FUNCTIONS

Addition, subtraction, multiplication, division,
repeating addition and subtraction, credit balance,
automatic constant calculation for multiplication and division,
percentage calculation, add-on/discount function,
exchange, sign change, memory calculation,
square root calculation.

3. SPECIAL FEATURES

- 1) Automatic all-clear function at "Power-On" condition.
- 2) Display indications for :
 - a) memory function.
 - b) overflow condition.

- 3) Accumulating memory.
- 4) 8-digit capacity, Zero suppression.
- 5) Full floating decimal point system.

4. POWER SOURCE [REDACTED]

Ni-CD cells (NR-AA) 1.2Vx4, Dry cells (UM-3) 1.5Vx4,
or by AC Adaptor.

5. POWER CONSUMPTION [REDACTED]

0.4 (W)

6. DIMENSIONS [REDACTED]

1-2/5 inches(H) x 3-1/2 inches(W) x 6-1/10 inches(L)

7. WEIGHT [REDACTED]

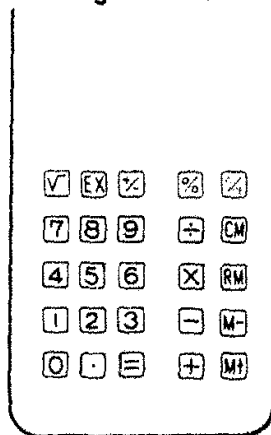
9-3/5 oz. (with NI-CD cells)

8. ELEMENT [REDACTED]

MOS-LSI complete 1 chip.

KEYBOARD ORGANIZATION AND KEY DESCRIPTION

Keyboard Organization



- 0-9 Numerical entry keys.
- . Decimal point key
- + Plus key Used for addition.
- Minus key Used for subtraction.
- × Multiply key Used for multiplication.
- ÷ Division key Used for division
- = Equal key Express results of an arithmetic process.
- ☐ Clear and Clear entry key
Used for all clear and clear entry.
Depress once : Clear entry.
Depress twice: All clear.
- ± Sign change key
- EX Exchange key
- % Percentage key Used for percentage calculation.
- √ Square root key Used for square root calculation.
- CM Clear memory key Clears the memory register.
- RM Recall memory key Displays the contents of the memory.
- M+ Memory plus key Used for Add. to memory.
- M- Memory minus key Used for Sub from memory.

CALCULATION EXAMPLES

(1) ADDITION

$$\boxed{5 + 3 = 8}$$

5 ⊕ 3 ⊞ → 8.

(2) SUBTRACTION

$$\boxed{6 - 2 = 4}$$

6 ⊖ 2 ⊞ → 4.

(3) NEGATIVE BALANCE

$$\boxed{4 - 9 = -5}$$

4 ⊖ 9 ⊞ → $\overset{\uparrow}{-}$ 5.
Digit 9 (Minus sign)

Note: NEGATIVE NUMBER INDICATOR

This indicator is located in the leftmost display position and lights whenever negative numbers or credit balances are displayed.

(4) MIXED ADDITION, SUBTRACTION

$$\boxed{3 - 7 + 8 = 4}$$
$$3 \ominus 7 \oplus 8 \equiv \longrightarrow 4.$$

(5) MULTIPLICATION

$$\boxed{5.2 \times 6.3 = 32.76}$$
$$5.2 \otimes 6.3 \equiv \longrightarrow 32.76$$

(6) DIVISION

$$\boxed{12.4 \div 0.4 = 31}$$
$$12.4 \oslash .4 \equiv \longrightarrow 31.$$

(7) MIXED MULTIPLICATION, DIVISION CALCULATION

$$\boxed{8 \times 6 \div 12 = 4}$$
$$8 \otimes 6 \oslash 12 \equiv \longrightarrow 4.$$

(8) PERCENTAGE CALCULATION

How much is 20% of 200?

$$200 \times 20 \% \longrightarrow 40.$$

How much % is 200 of 400?

$$200 \div 400 \% \longrightarrow 50.$$

(9) AUTOMATIC MARK-UP

A \$47.25 Purchase Plus 4% Tax.

$$47.25 + 4 \% = 49.14$$

(10) AUTOMATIC DISCOUNT

A \$15.25 Item Discounted 20%

$$15.25 - 20 \% = 12.20$$

(11) POWER

$$2^4 = 16$$

$$2 \times = = = \longrightarrow 16.$$

(12) REPEATED CALCULATION

(a) Addition

$$20 + 4 + 4 + 4 = 32$$

$$20 \oplus 4 \oplus 4 \oplus 4 \equiv \longrightarrow 32.$$

(b) Subtraction

$$18 - 2 - 2 - 2 = 12$$

$$18 \ominus 2 \ominus 2 \ominus 2 \equiv \longrightarrow 12.$$

(13) CONSTANT CALCULATION

(a) Multiplication

$$\begin{array}{l} 3 \times 2 = 6 \\ 4 \times 2 = 8 \\ 5 \times 2 = 10 \end{array}$$

$$\begin{array}{l} 3 \otimes 2 \equiv \longrightarrow 6. \\ 4 \equiv \longrightarrow 8. \\ 5 \equiv \longrightarrow 10. \end{array}$$

(b) Division

$$\begin{array}{l} 6 \div 2 = 3 \\ 8 \div 2 = 4 \\ 10 \div 2 = 5 \end{array}$$

$$\begin{array}{l} 6 \oslash 2 \equiv \longrightarrow 3. \\ 8 \equiv \longrightarrow 4. \\ 10 \equiv \longrightarrow 5. \end{array}$$

(14) $\boxed{\text{EX}}$ · $\boxed{\text{Z}}$ KEY USED CALCULATION

$$\frac{20}{5 \times (-2)} = -2$$

5 $\boxed{\times}$ 2 $\boxed{\text{Z}}$ $\boxed{\div}$ 20 $\boxed{\text{EX}}$ $\boxed{=}$ \longrightarrow $\overline{\text{2}}$
Digit 9 (Minus sign)

(15) MEMORY CALCULATION

$$5 \times 2 + 8 \times 5 - 10 \times 2 = 30$$

$\boxed{\text{CM}}$ 5 $\boxed{\times}$ 2 $\boxed{=}$ $\boxed{\text{M+}}$ 8 $\boxed{\times}$ 5 $\boxed{=}$ $\boxed{\text{M+}}$ 10 $\boxed{\times}$ 2 $\boxed{=}$ $\boxed{\text{M-}}$ $\boxed{\text{RM}}$ \longrightarrow $\overline{\text{30}}$
Digit 9 (Memory sign)

NOTE: An "." will appear in the leftmost display position whenever the contents of the memory are non-zero.

(16) ENTRY CLEAR

$$123 + 123 = 246$$

123 $\boxed{+}$ 122 $\boxed{\text{Z}}$ 123 $\boxed{=}$ \longrightarrow 246.
Mis-entry

(17) SQUARE ROOT CALCULATION

$$\sqrt{5 \times 45} = 15$$

5 $\boxed{\times}$ 45 $\boxed{=}$ $\boxed{\sqrt{\quad}}$ \longrightarrow 15.

BEFORE OPERATING YOUR CALCULATOR

Your unisonic 790R calculator is designed for use principally as a rechargeable unit. Please read the instructions below carefully on the use of rechargeable batteries and charger.

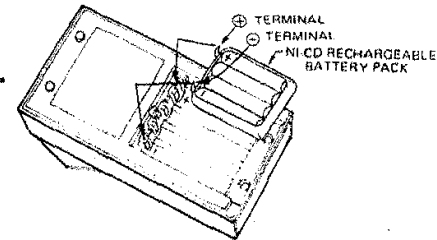
- 1) Make sure that the power switch is in the "OFF" position.
- 2) Connect the adaptor plug into the calculator socket.
- 3) Plug the adaptor into the power outlet. Necessary charging time is about 10 – 15 hours. Overcharging may damage electronic components of the calculator and therefore shorten calculator life.
- 4) Only nickel cadmium batteries may be used for recharging. Use of any other type of battery for recharging will result in damage to the calculator.
- 5) If the nickel cadmium batteries do not charge please check:
 - A) If the polarity on the batteries match the polarity (+ or –) on the battery terminals.
 - B) If any of the battery terminals are rusted.
 - C) If the charging time was indeed 10 – 15 hours.If all of the above is checked and the batteries are still not charged return to the store where the calculator was purchased and try charging the batteries on the store charger, and with another set of nickel cadmium batteries.
- 6) How to change rechargeable batteries.

To change the rechargeable batteries, make sure the power switch is on "OFF". Remove the battery access cover from the back of the calculator

by moving the access cover toward the bottom of the calculator. Remove and discard the old batteries. Before placing in your new batteries note the polarity. Be sure to match the battery polarity with the corresponding terminals.

NOTE.

If a rechargeable battery pack is to be used. Be sure to make certain whether the + or - terminal on the battery pack makes contact with the terminals in the battery compartment as shown in the illustration below:



It is highly recommended that rechargeable batteries be used with this calculator. Since your charger is also your A/C Adaptor. The rechargeable batteries must be removed when the A/C Adaptor is used. To avoid damage use only unisonic Model 623 or Model SY-1200 or Model 620 charger/adaptors for your calculator. In the event that disposable AA penlight or carbon zinc batteries are used no attempt should be made to recharge them as this will result in serious damage to the calculator. Therefore, since the charger is your A/C Adaptor, all disposable batteries should be removed when the A/C Adaptor is used.

It is not advisable to switch off between rechargeable and non rechargeable batteries continuously, as this may lead to the errors mentioned above. Do not handle rechargeable batteries unless they need changing or recharging.

SERVICE CERTIFICATE

Your electronic calculator is a highly precise electronic instrument which will serve you for many years with normal care.

UNISONIC PRODUCTS are guaranteed against defects in materials or workmanship for a period of ninety (90) days from date of purchase. This guarantee applies only to the original owner registered on the card below. This card must be completed and mailed, postage paid, within ten (10) days from date of purchase. Any merchandise that has been repaired by an unauthorized party, tampered with, or abused is not covered by this guarantee.

If, within (90) days from date of purchase, you send in your calculator to us, please send us also \$5.00 to cover postage which includes cost of registered mail with return receipt requested.

If you return your calculator after (90) days from date of purchase, then kindly send us a check for \$9.90 which covers registered mail with return receipt plus handling charges.

Please be sure to include check or money order with package.

All merchandise must be returned, prepaid and fully insured, in the original packaging container or in a similarly-constructed container, via U.P.S. where possible. Enclose a letter explaining the problems, with place and date of purchase.

All defective units should be returned to

UNISONIC

Service Department

16 West 25th Street

New York, N.Y. 10010

MODEL NO. _____

DATE OF PURCHASE _____

DEALER'S NAME _____

SERIAL NO. _____

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