Instruction Manual for Miritature Electronic Calculator by Summit International

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INTRODUCTION .

Congratulations! You now have a five function (+, -, x, +, %) calculator with fixed or floating decimal, a two key memory and a special mode for working with money.

To get the full use of your miniature calculator, please read through this manual to see how to take care of it, how to operate it and what you can expect it to do for you.

In the unlikely event that it should fail to operate properly, take the following steps: install fresh batteries (make sure permanent type batteries are fully charged), or plug in adaptor.
Check your procedures with the

operating section of this manual. Should you still have difficulty, read the warranty section for factory repair. We'll be glad to make it work for you.

By treating the SLSM with the respect due any fine instrument, you can expect years of accurate, dependable service. We hope you find it useful as a constant companion.

FEATURES

- The components used in your calculator have been especially designed to give unsurpassed reliability.
- The high performance components provide for calculations of all types, from
 the besic four functions of arithmetic to
 successive division and multiplication,
 accumulating, memory, mixed calculations, squaring, reciprocal, percent, constant operation in multiply, divide, and
 %, add-mode, and other calculations. All
 are possible with the calculator.
- Your calculator makes calculations of up to 18 digits, and displays the 8 most significant digits. Even in overflow, the 8 most significant digits are displayed.
- The calculator is provided with throwaway (non-chargeable) batteries which provide for cordless operation up to four hours.

- 5. An adaptor is included with the calculator. (For use see Battery/AC Operation, page 11)
- 6. Optional Permanent Batteries

Option is available at time of purchase or may be installed later at a nominal fee. To have permanent batteries installed after purchase, send calculator in to the nearest Summit Service Center (follow directions under Warranty, page 28) and explain that you want the permanent batteries installed.

DISPLAY INDICATORS

DISPLAY

Numerical Overload Indicator



Indicates an entry of more than 8 digits and calculations can continue. Indication

cleared by C.

or turning calculator off and then on. Overload Answer Indicator



Indicates a calculation result that contains more than 8 digits and calculations cannot continue. The eight most significant digits will be displayed. The correct answer (to 8 significant digits) is obtained by moving the decimal point 8 posi-

tions to the right, Indications cleared by C or turning calculator off and then on.

Display Blanking (For Power Saving)



Nothing has been changed in the calculator. Pushing the equal key, 🖃 , executes the previous command and returns display. Pushing any other key returns the calculator to normal operation.

KEYBOARD FUNCTIONS

KEYBOA	RD FUNCTIONS	Decimal Point Key	Enters decimal point	
Numeric Keys 0 - 8	When depressed, these keys enter digits of a number. The figures will be displayed and		pressed during entry sequence. (See Fixed/ Floating Decimal, Page 15)	
9/\$	stored by the calcula- tor. Normally enters digit	Plus Key	Normally executes any previous command and stores an add com-	
(9/ 9)	(9) which is displayed and stored by the calculator. This key is also used for Add-mode.		mand. (Also see Accumulating Memory Page 21)	
Clear All Key	(See Add-mode, page 16) Clears all calculator functions except Memory and Fixed	Minus Key	Normally executes any previous command and stores a subtract command. If depressed a the first key of a	
	Decimal Point Setting. (See Fixed/Floating Decimal, Page 15 and Memory, Page 18)		entry, the numbe entered will be nega tive. (Also see Accumu lating Memory, Page 21	
Clear Entry Key	Clears last keyboard entry.	Multiplication Key	Executes any previous command and enters multiply command.	

Enters decimal point

Division Key

 \Box

Executes any previous command and enters a divide command.

Percent Key

Executes percent calculation and displays the result.

Memory Key

Normally recalls memory when depressed. (See Memory, Page 18)

Memory Equals Key

Executes any previous command and conditions memory for accumulation of display. (See Accumulating Memory, Page 21)

Equals Key

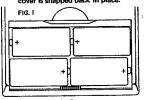
Executes any previous command and displays the result.

BATTERY OPERATION

A. Removeable Batteries

- Type batteries:
 Non-chargeable throw-away. (Size
 - N or ½ AA)

 b. Rechargeable. Not recommended since they must be charged outside of the calculator.
- 2. Changing Batteries:
 - Changing Batteries:
 Remove bettery compartment door
 by placing finger in recess on back of
 calculator case and pulling down and
 out. The batteries are placed in the
 calculator as shown in Fig. 1, and the
 cover is snapped back in place.



9

8

 Operation: Push slide switch to "ON" and begin operation. Batteries will supply about four hours operation time.

B. Permanent Batteries (Optional)

- Type batteries; Rechargeable
 Charging: Adaptor is used as charge
- 2. Charging: Adaptor is used as charger. Insert DC plug into single pin socket at the top end of the calculator. Insert AC plug into socket. Charging now occurs irrespective of whether the power switch is on or off. The calculator may be used while charging. Two to four hours are required for a full charge. The unit should not be charged for more than four hours. Any excessive recharging will reduce overall life of the battery.
- Operation: Remove the adaptor cord and push the slide switch to "ON" position. A full battery charge can be expected to supply about four hours of operation time.

AC OPERATION

AC operation is possible in the two following conditions:

- Removeable batteries installed. May be used in this condition indefinitely.
- Permanent batteries installed (Optional). Use in this manner only when recharging batteries.

Plug the adaptor into the calculator and insert the AC plug into the electrical outlat. After the above connection, the power switch may be turned on and operation started.

ALGEBRAIC LOGIC OPERATION MULTIPLICATION Enter Dispiny Algebraic logic allows you the simplicity of 7 Cans of com (Z) (X) entering a problem exactly the way you □ 3 9 0.39 X 39c per can would write it. ▣ 2.73 Total 2.73 Problem: Enter Display **-9**, ADDITION Enter Display 6.51 60600 -42. X (-42) 6.51 0 2 0 2 8 0 40 0 3 0 12.28 18.79 378 ▣ 378. 4.93 23.72 0.36 回 24.08 24.08 Problem: DIVISION Display 6 C 9 6 9 \$6.95 6.95 Problem: **6** + 5 pounds SUBTRACTION Enter Display 1.39 Total Sales 32,000 3 7 9 9 9 9 32000. 3 T 0 = Less Discounts 310 31690. Enter Displey Loss Returns 980 9 8 0 980. 21 49 ⊞ ⊟ 88 24. Ξ -8: 30,710 ÷ (-8) 30710. ▣ -3. Enter Display Enter Display 8 8 8 8 - (-3) -3. ÷ (-6) \boxtimes 11. ▣ 10. 12 13

PERCENT OPERATION (Add-on/Discount)

	ATTOM (AUGORDIS	COULL	AND ADD-MODE
Problem:	Enter	Display	
What is 5% of 200?	20 00 00 X1 50	200. 6.	Floating Decimal:
	S	10.	When the calculator is switched on, it is automatically in the automatic floating
Problem:	Enter	Display	decimal system. To return to the floating
What is the net cost of a \$200.00 item with 5% tax?	21 0 0 X 5 % 51	200. 10. 210.	decimal after a fixed decimal or add-mode has been used: 1. Turn the Calculator OFF, then ON; or
Problem:	Enter	Display	2. Use the key sequence 🗀 🖃 🖸
What is the net cost of a \$25.20 less a 10% discount?	26020X	25.2 2.52	Fixed Decimal:
		22.68	To set a fixed decimal for calculation results
		i	use the key sequence 🕒 😑 N
Problem:	Enter	Display d	where N is any number between 0 and 7.
What is the net cost of a \$320.00 item with a	3 2 0 2	320.	,
10% discount and then 6% tax?		288. 17.28	Decimal,
	∄	305.28	Examples:
	14		shows 0.0000 on the display and sets a fixed point of 4.
>	14		15
₹.	* .	2 1	the state of the s

FIXED/FLOATING DECIMAL

shows 0.0 on the display and sets a fixed point of 1.	Examp	ie Problem:			
shows 0. on the display and	The fo	The following is a grocery bill to be added:			
floating decimal system.		Enter	Display		
Add-Mode:	1	□ = 9/\$	0.00		
Auu-woue.	,12	1 2 +	0.12		
The calculator is also equipped with a fixed	.37	3 7 ±	0.49		
input mode ladd-model. This mode is used when working strictly	1,19	1 1 9 +	1.68		
with money, or any other product which	.54	54 +	2.22		
uses exactly two decimal places.	1.05	1 0 5 +	3.27		
This mode is entered by the key sequence	e 4.00	41 n 🕀	7.27		
975	1.87	n 8 7 =	9.14		
0.00 appears on the display.	9.14				
In this mode 4 is interpreted as .04. 40 is	9.14				
interpreted as .40, etc.					
The entry of 4.00 can be accomplished by					
either 4. or 400. To return to floating point operation use					
the sequence	į.				
Turn calculator OFF then ON.					
		17			
16	1				

La Strand William Sandard Administration

MEMORY

Clearing	Memon
	MARIDOL

The memory may be cleared by any of the following three methods:

- 1. Turn calculator OFF, then ON.
- By the key sequence 0 = MR
 (Refer to operation of the scratchpad memory below).
- memory below).

 3. By the key sequence C MB

Scratchoad Memory:

For those desiring this feature, a scratchpad memory is contained in the calculator. A number can be stored in memory and then be recalled and used at some later point in the calculation.

To store a number into memory:

store a number into memory.

Enter the number into the display
(This can be the result of an earlier
calculation)

Press the E key

Press the MB key

18

Calculations can continue and the memory will not be modified until the above sequence is duplicated or the Mid key is pressed (see section on accumulating memory for operation of the Mid key).

The C Key does not clear memory.

To recall a number from memory, simply press the Milkey at any time other than immediately following an Exercise key.

Example: Store 56 in memory, then recall it.

Enter Display
5 6 56

MR 56. C 0.

Typical Scratchpad Memory Problem

A man purchases 4 tires at a price of \$54.13 each. Given 90 days to pay for them with

30 day installment payments, would each payment be? Problem can be written as: 4 x \$54.13 = 72.173333 (90 ÷ 30)	how much	CAUTION:	The memory will be modified rather than recalled if the MAT key is pressed directly after an I key. If an A key has been pressed and you desire to recall the memory, use the key sequence C MAT.
C 9 0 H 3 0 H MR C 4 X 6 4 T T 3 H MR	90. 3. 3. 4. 54.13 216.52 3. 72.173333	Accumulation occurs when followed by el	e taken to clear the memory the accumulation feature. to memory (plus or minus) the M= key is pressed
or approximately \$72.17 per p	ayment.		

Example:	Entry Display
Entry Display (5 Mar) 0. Clear Memory (7 Mar) 10 26. (8 Mar) 12 34.	2 16日 22 16 2 16 16日 日日 198. 53 22 16 16日 日 198.
1	Typical Accumulating Memory Problem Problem: Enter 0.
The Me key gives intermediate results and prepares the memory for accumulation. Entry Display Final After (EC) Display	
22 原	Plus 6% Tax El B. Gen 3 59.10 Memory can be recalled by the sequence C MR
The value obtained after pressing the M= key can be repetitively added (subtracted) by successive depressions of the +	CAUTION: Memory will be destroyed by pushing MR immediately after
(23

ALUES WEST WOODS AND AND

AUTOMATIC CONSTANT OPERATION

Your calculator has an automatic constant capability in multiplication and division that requires no external switch or other operation. The first factor in multiplication and the second factor in division is automatically stored for possible constant use.

En	ter				Display	
[2]	X	3	▣		6.	
		4	➌		8.	2 is retained
	1	2	▣		24} 20.	as a constant.
	U	O	•		20.	
m	2	÷	3	0	4.	
			(a)		3	3 is retained

9 =

36

Different percentages of a constant value can be found with the automatic constant capability as shown.

as a constant

Display

Problem:	Enter						Displ
What is 10% of 200?	(2) (D)	0	X	1			
What is 5% of 200?	-					▣	
What is 2% of 200?					2	▣	4.
What is 13.7% of 2007		Œ	13		7		27.4
	24						

A constant percentage of different values can also be found.

Problem:	Enter	Display
What is 5% of 100?	6 x 11 0 0 5	5.
What is 5% of 3007	3 0 Q Q	15.
What is 5% of 430?	4300	21.5
What is 5% of 293.7?	29307	14.685

Accumulation to memory of products, quotients, or percentage results with a constant factor is also accomplished by your calculator.

Enter	Display
(C) [M=1]	0.
3 X 2 M = +	6.
⊠ 31 Mi⊒ ⊕ ⊠ 40 Mi⊇ ⊕	15. 3 is retained a 27 a constant.
11 22 64 22 669 E FA 11 11 11 11 11 11 11 11	21. 26. 2 is retained a
	22. ∫ a constant. 32.
№ 33 № № 3 ⊕	35.] 100 is retainer
X 0 8 8 6 E	19. as a constant.
25	

ADDITIONAL FEATURES

Squaring a number is easily accomplished by entering the number into the display (can be the result of a calculation) and using the key sequence X =

हासका हा हा छा

Example:

the state of the second of the		
· OR	3	25.
This method higher powers	can also be chained	to find
Example:	Enter	Display
What is 34?	3 X C X C	81.
number into of a calcula	an be found by ente the display (can be the tion) and using the	ne result
quence 🛨	<u> </u>	
Example:	Enter	Display
What is the reciproc of 47	*** B B B	0.25
What is 13+2) 7	3 T 2 T 3 T	0.2
	១១១១៣	0.2

Constant Add/Subtract Mode

A simplified method is provided for addition and subtraction of a series of numbers.

ter Display
· ⊞ 1.
3.
= 6.
10.
E 15.
⑥ ∰ 9.
E 2.
8 🖹 10.

NOTE:

As long as all of the keys are being added (subtracted) no function key (+ or) }

need be pressed. A function key need be depressed only when changing from addition to subtraction (subtraction to addition).

WARRANTY-

Summit warrants your calculator against faulty workmanship of the use of defective materials for one year from date of purchase. Replaceable batteries not included. This warranty is void if this product has been subject to misuse or abuse, improper voltage, or has been tampered with or repaired by unauthorized personnel. Any attempt to open the calculator, except to replace replaceable betteries, voids the werranty. If during the period of warranty your calculator proves defective in workmanship and/or material, return both the calculator and charger/adaptor postage prepaid to your nearest Summit Service Center or to SUMMIT INTERNATIONAL CORPORATION, P.O. Box 15736, Salt Lake City, Utah 84115, Your calculator will be repaired or replaced, whichever is necessary in the judgement of SUMMIT INTERNATIONAL CORPORATION, and returned to you at your expense, identify the problems you are having, be as specific as possible. In the event a calculator is returned without identification of the problems experienced and after examination no defects can be found, you will be subject to a \$5.00 minimum cherge. This warranty is void unless the warranty registration card has been considered and mailed to SUM THE AND AL. within ten (10) days of perfects warranty is in lieu of all other guarantees and warranties expressed or implied.

AVAILABLE ACCESSORIES

Charger/Adapter							_		_	1					_		SI	5.9	5
Carrying Pouch .	•	Ī	-		-	-	_	•			•		•	•	•	•	Ţ	วกั	ň
Instruction Manua	i	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	*	E. G	č

Send order with check or money order to:

SUMMIT INTERNATIONAL CORPORATION P. O. Box 15736 Salt Lake City, Utah 84115



Jummit International Corporation

P. O. Sox 15736 Selt Lake City, Utah 94115 U.S.A. Phone (801) 486-7255 Telex 388 443 Summit SLC