

OPERATION NOTES	2
PARTS IDENTIFICATION	3
EXPLANATION OF INDICATIONS IN THE INDICATOR WINDOW	4
EXPLANATION OF INDICATIONS ON OPERATIONAL KEYS	
EXPLANATION OF THE OPERATIONAL KEY	8
HOW TO INSERT AND REPLACE THE BATTERY	9
REPLACEMENT OF THE BALL-POINT PEN	10
CALCULATION METHOD	10
SPECIFICATIONS OF CALCUPEN	

Thank you very much for your selection of your ultra-compact CALCU-PEN pan type electronic calculator.

Please completely read these operation instructions for most correct use

and langues service.

#### OPERATION NOTES

Because this electronic calculator includes LSI's, IC's, and other ultra-small precision components, be sure to carefully note the following information.

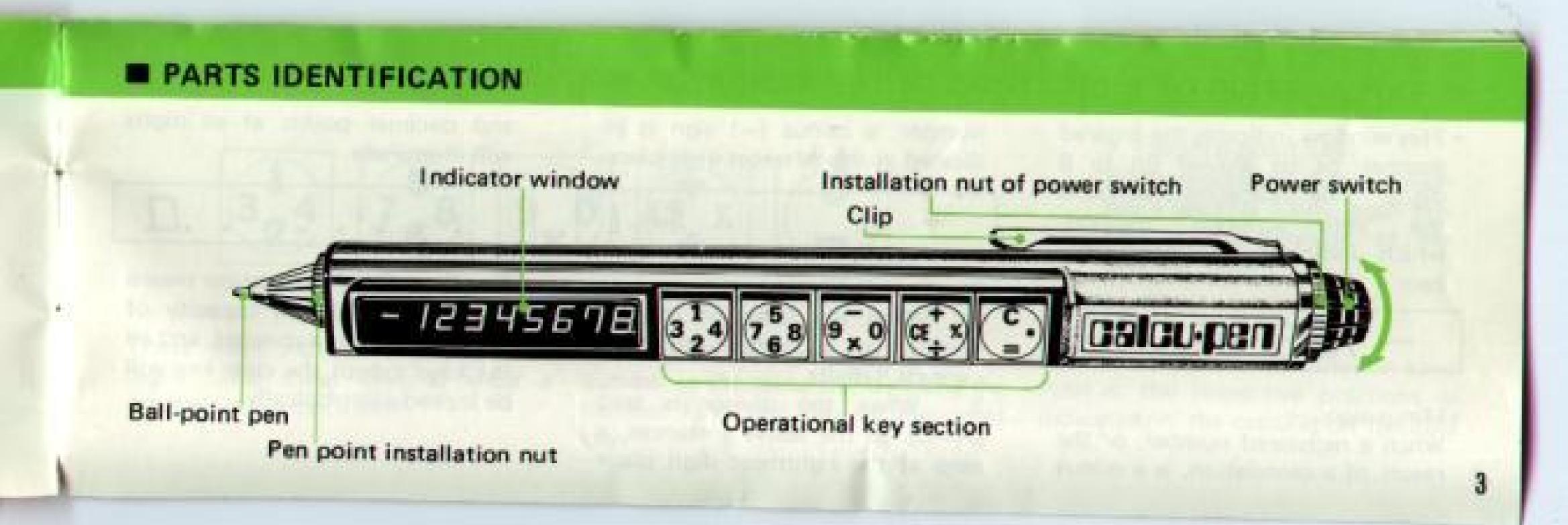
- Never attempt to disassemble the calculator body.
- Be careful not to throw the unit, drop it or subject it to strong impact shock.
- Be sure to avoid such causes of damage as extreme changes in temperature, direct sunlight, humidity, and dust.
- \* If the unit is not used for a month or more, be sure to remove the battery from the unit. Also be sure not to leave a completely consumed battery inside the unit.

 Use a dry, soft cloth to clean the unit. Never attempt to use volatile chemicals, such as thinner or benzine, nor a wet cloth, for cleaning.

#### CAUTION!

When battery power decreases to a low level, it may affect the performance.

- Check to be sure that the ON-OFF switch is at the "ON" position. "O" should appear at the right hand display position.
- Press the "8" key eight times. If the display does not show "88888888" (example "8888 . . . . . . "), the battery should be replaced.



2

## EXPLANATION OF INDICATIONS IN THE INDICATOR WINDOW

 This window indicates the entered number or an answer up to 8 digits. The indication method is "zero suppress" method. which indicates no unnecessary zero.



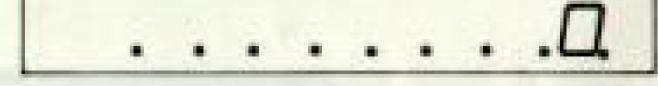
 Minus sign When a registered number, or the result of a calculation, is a minus

number, a minus (-) sign is indicated at the leftmost digit place.



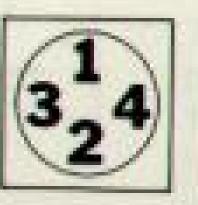
- Overflow indication
- 1. When the range of integral numbers of a calculation result exceeds 8 digits
- 2. When the divisor is zero (A-O). In the above instances, a zero at the rightmost digit place

and decimal points at all digits will illuminate.



\*The "overflow" indication means that the calculation capacity of the calculator is exceeded, and all the keys except the clear key will be locked electronically.

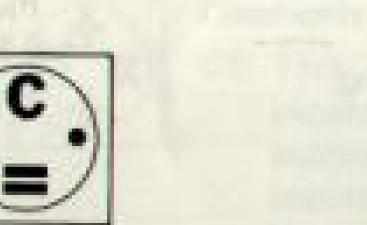
# EXPLANATION OF INDICATIONS ON OPERATIONAL KEYS











(decimal-point key) When entering a figure which has a decimal point, push this key at the position of the decimal point.

## 1 - 9 and 0 (number keys)

digits. Use these keys to enter a number in the calculator.

These keys indicate the respective To "register" a number is to enter a +-x+%= (calculation function keys) number in the calculator by using the Push at the respective positions as number keys and the decimal-point indicated in the calculation formula. key.



Plus Key

+ Push when adding.



Minus Key

- Push when subtracting.



Multiplication Key

X Push when multiplying.



#### Division Key

+ Push when dividing.



#### Percent Key

% Push when multiplying or dividing by 1/100.



## Equal Key

= Push to receive the answer



#### Clear Key

C This key is used to completely clear the conditions inside the calculator. This key is also used to clear an "overflow" error.



## Clear-entry Key

CE This key is used to clear an incorrectly registered number. If an incorrect number is entered, the incorrect number only can be cleared by pushing this key. Note, however, that this clearing is impossible after an answer is given or immdiately after a calculation function key is depressed.

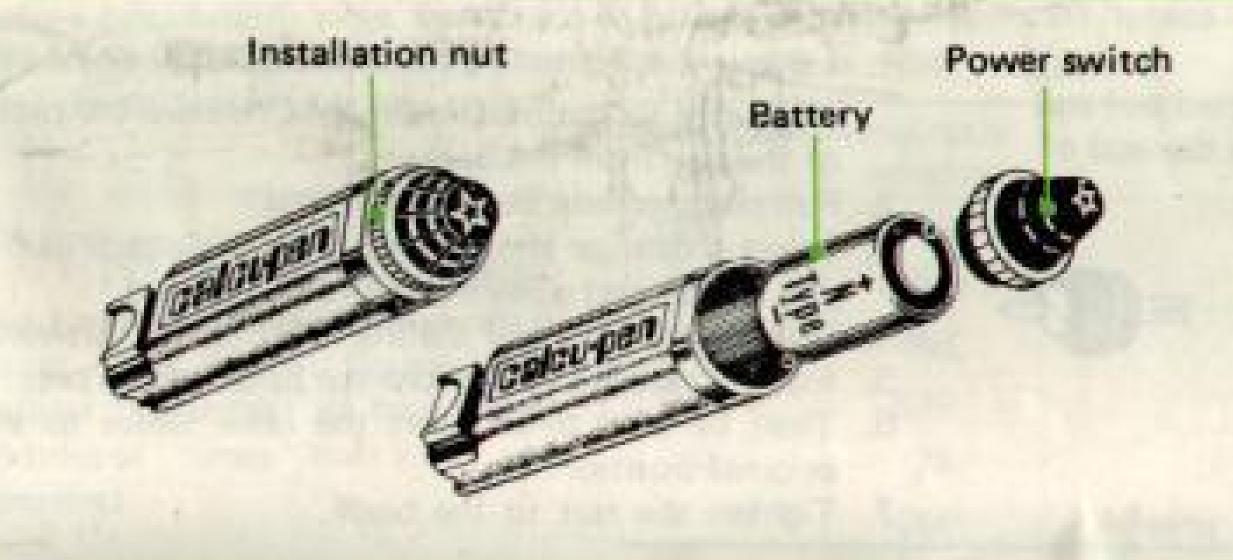
Unlike ordinary portable electronic calculators. It is possible to enter the As shown in the figure, lightly place calculators, the operational keys of desired number, or to command, by the tip of the index finger on the this unit have a special four-in-one pushing the key in the appropriate recessed part of the key, and operate

each function by pushing the finger toward the desired position: up, down, right or left.





## HOW TO INSERT AND REPLACE THE BATTERY

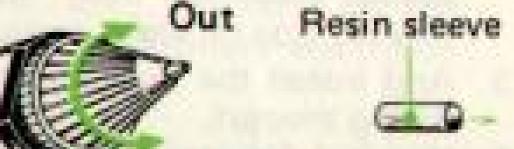


- 1. Loosen the installation nut of the power switch as shown in the figure, and remove the power switch.
- 2. Insert the battery in the battery holder inside the case with the positive (+) side facing outward.
- 3. And install the power switch by tightening the nut.
- Use a 1.5V standard "N" type battery. However, for longer battery life, use an Alkaline type battery such as Mallory Mn-9100, Eveready E90 or equivalent available at any store.



This unit also includes a ball-point pen useful for memos at meetings or for calculations.

The ball-point of this pen can be easily pushed out and retracted by turning the conical knob on the end of the pen.



Retracted

Installation nut for the ball point

Coin

REPLACEMENT OF THE BALL-POINT PEN

When the ink is consumed

- Loosen the tightening nut when the ball-point pen protrudes to the maximum, and remove the point of the pen from the body.
- 2. Pull out the resin sleeve backward.
- Insert a coin or similar item into the notch of the pen holder and push the ink refill forward.
- 4. Holding the point of the ink refill, pull it outward.
- 5. Insert a new ink refill from the point of the pen.
- Then be sure to re-insert the resin sleeve to the original position.
- 7. Tighten the nut to the body.

## E CALCULATION METHOD

- Before calculation, note that the following operations should be confirmed, after the power switch is on.
- \* Power switch on ----- zero indication
- The limit of registered figures is 8 digits. No more figures will register, regardless of how many additional times the keys are operated.

## For precise calculation results....

\* Addition and subtration Ex.1 123 + 456 - 79 =

EX. 1 123	+ 456 - /	9 =		
Operation	Indicator	Remarks		
123	123.	1 02		
+	123.			
456	456.			
-	579.			
79	- 79.			
-	500.	Answer		

Account to the second second			
STATE OF STATE	F-100 A	ALCOHOL: A	40.000
Ex.2	-56 +	1111111	1 65 1
The Part of the Control	4,000	11 Sept. 11	1000

Operation	Indicator	Remarks
-	0.	
56	- 56.	
+	- 56.	
100	100.	
+	44.	
16	16.	
=	60.	Answer

11

	x 78 x 3 =	- 3 x 1	Ex. 2 -5	6 x 78 x 2.2		Ex. 3	98 ÷ 2 x 7.6	
Operation	Indicator	Remarks	Operation	Indicator	Remarks	Operation	Indicator	Remark
56	56.		Of the State of the last	0.	U. Fallente	98	98.	951
×	56.		56	- 56.		WITH THE ROPE	98.	
78	78.		×	- 56.		2	2.	
×	4368.		78	78.		×	49.	
3	3.		×	- 4368.		7.6	7.6	
-	13104.	Answer	2.2	2.2			372.4	Answer
SOPREM NO S	ALT DESIGNATION OF THE PERSON		STATE OF THE PARTY	-9609.6	Answer	ALL BUILDING S		Delta

Ex. 1 (12+	3 - 45) x 6	÷7=
Operation	Indicator	Remarks
12	12.	100
3	12.	- 051
45	_ 15. 45.	3
×	- 30.	23
6	- 180.	
7	7.	V-1-1
-	-25.714285	Answer

Mixed calculations

Ex. 1	Multiplication with constant numbers	Ex. 2 3 x 6.5 = 19.5	3 x 7 = 21
	The state of the s	_	

+ Calculation with constant numbers

	Operation	Indicator		Operation key	Indicator
2 x 3	2 x 3=	6.	3 x 6.5	3 x 6.5 =	19.5
2 x 8	8=	16.	3 x 7	7 =	21.
2 x 9	9=	18.	3 x 13	13 ==	39.
2 x 12	12 =	24.	3 x 15	15 =	45.

\* Division with constant numbers \* Calculation of power \* Calculation of percentages Ex. 1 Ex.1 Ex. 1 23% of \$160 = Operation Indicator Operation Indicator key window Remarks Operation key Indicator window key 160 100÷2 100÷ 2= 1.1<sup>2</sup>= 1.1 x= 160. 50. 1.21 2nd power 1.13 50÷2 160. 50 = 25. 1.331 3rd power 40÷2 23. 1.14= 40= 1.4641 4th power 25÷2 1.15= 36.8 25 = 12.5 1.61051 5th power Answer: \$36.80

Remarks Answer

Ex 2 \$36.80 = 23% of ?

Ex 3 What percentage is \$36.80 Ex 4 112% of \$180 =

\* To calculate back to the previous example:

of \$160. ?

Operation key	Indicator	Remarks	Operation	Indicator	Remarks	Operation	Indicator	Remarks
36.80	36.80	distant line	36.80	36.80	The little	180	180.	
+ 10 10	36.80		*	36.80	THE COMPANY	×	180.	
23	23		160	160.	The "LOGISTICA"	112	112.	
%	160	Answer	%	23.	Answer	%	201.6	Answer
Answer: \$	160		Answer: 2	394	and the second little	SECURISES SEC. 124	201.0	- Mary Market

WIRMAL! 2100

Answer: 25%

Answer: \$201.6

#### Correction of registered numbers

Ex. 1 Correct "123 + 456" to "123 + 465":

	THE RESERVE OF THE PROPERTY OF	7.000	
Operation key	Indicator	Remarks	
123	123.		Note: The regi-
+	123.		stered number cannot be cor-
456	456.		rected after a cal-
CE	0.	Correction	culation, nor just
465	465.		after pressing the x, ,+,-,=, and
-	588.	Answer	% keys.

Ex. 2 Correct "123+" to "123 x 2"

Operation	Indicator	Remarks	
123	123,	THE WORLD	If a function key
+	123.		(x, ÷, +, -) is operated by
x	123.		mistake, press
2	2.		the correct func-
= 100	246.	Answer	tion key for cor- rection.

## SPECIFICATIONS OF CALCU-PEN

Digital indication: Calculation digits:

8 digits (decimal places: ≤7 digits)
Calculated numbers: 8 digits Calculated numbers: 8 digits
Calculating numbers: 8 digits
Answer: 8 digits (decimal places:
7 digits)

Decimal point method: Floating system Symbol: Registration: Arithmetic functions:

Minus sign included Three registrations in series Addition, subtraction, multiplication, Operation tem-division, continuous multiplication perature range: and division, constant multiplication and division, calculation of squares, reverse calculation, mixed calculation, calculation of powers, calculation of percentages, reduction and premiumrate calculations

Power source:

Operation time:

perature range: Accessories:

Elements: One 1-chip LSI and others
Indication elements: LED (light-emitting diodes) 9 digits

DC 1.5V (0.15W) One single-type dry cell Alkaline dry cell "N" type

Continuous use time (indication 5555): 2 hours (time may vary slightly depending upon kind of dry cell.)

0°C~40°C.

Operating instructions, one dry cell(N), one ink refill for the ballpoint pen,

# LIMITED WARRANTY

THE CALCU-PEN IS WARRANTIED TO THE ORIGINAL PURCHASER FOR FREE REPLACEMENT OR REWORK OF DEFECTIVE MATERIALS AND WORKMANSHIP FOR 90 DAYS FROM DATE OF PURCHASE.
THIS WARRANTY DOES NOT APPLY TO PACKING MATERIALS, BATTERRY, BALL POINT PEN, APPEARANCE ITEMS, NOR TO MISUSE OR ABUSE. THE CALCU-PEN MUST BE SENT TO THE POINT OF YOUR PURCHASE WITH DATED PROOF OF PURCHASE. HOWEVER AFTER 90DAYS WARRANTY PERIOD, CONTACT FOLLOWING ADDRESS FOR REPAIR.

TRU-PHONIC SOUND, INC. 3100 WEST RANDOLPH ST. BELLWOOD ILL. 60104 TEL (312) 544-4100