TO THE CONSUMER

FULL SIX MONTH WARRANTY

for six month from date of purchase, APF will repair defects in material or workmanship, free of charge, which appear in the operation of this electronic calculator unless caused by damage resulting from corrosive leakage of batteries of from the unreasonable use of this product.

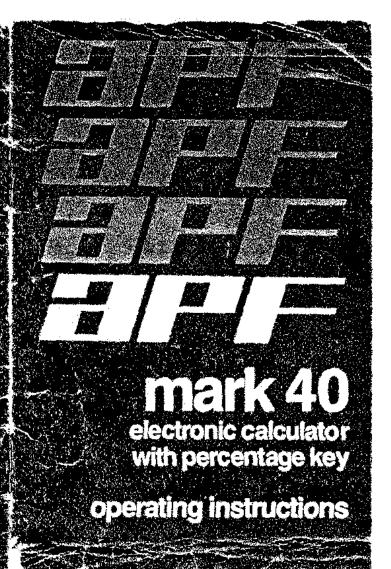
To obtain service under this warranty, return this calculator to your Dealer with evidence of date of purchase, or return it directly to APF Service, prepaid, with proof of purchase date.

OUT OF WARRANTY SERVICE. State the nature of your difficulty. As with any fine equipment, pack carefully and forward via insured, prepaid parcel post to:

APF SERVICE CENTER
43-17 Queens St.
Long Island City, M.Y. 11101

APF ELECTRONICS, INCORPORATED NEW YORK, N.Y. 10022.

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INTRODUCTION

Modern electronic technology has provided a new tool for use in home, office or school.

Your APF Mark 40 calculator was designed to be compact and partable, yet powerful enough for you to ease through all daily calculations.

You may work from an internal battery source or, by means of an apptional J.A.C. adaptar, from any convenient 110-120 volts A.C. autlet

To simplify operation, your calculator is programmed for "THINK AND TOUCH"—"THINK" the mathematical sequence and "TOUCH" the appropriate keys as you think—the correct answer instantly appears on the bright, clear eight-digit display. The decimal point automatically moves to the correct position.

Please review the instructions in this booklet. Work through the examples illustrated and within a very short time you will become proficient in using your new calculator.

SUGGESTED USES

Home

Budgets • Stock & Bond Investments
Check Book Balancing
Clothing Invoices • Gracery Bills

Income Tax Returns • Credit Card Bills
Loans • Sports Averaging

Store and Away from Home

Unit Pricing • Grocery Bills • Figure Best Bargains
Gas Mileage • Mark Down (Discount)
Cor Costs • Restaurant Checks

Business or School

Expense Report • Percentage Profit • Cost Analysis
Compound Interest • Payroll • Taxes • Invoicing

Markups/Markdowns • Inventory Metric/English Conversions Slide Rule Calculations

Convenient, rapid, accurate. You'll find many uses for your Electronic Colculator.

PORTABLE BATTERY OR A.C. OPERATION

- Your calculator is operated by using a 9 volt battery. Under normal operating conditions, a new 9 volt carbon zinc battery with provide about 14 to 20 hours of calculating time. A new 9 volt alkaline battery will provide about 40 hours of calculating time.
- To replace a battery, slide the battery cover off the battery compartment, and CAREFULLY remove the battery. The battery cover is located on the underside of the calculator. Hold the battery in one hand and GENTLY unsnap the battery connector. Snap a new battery into the connector, replace in the battery compartment and slide the cover back in place.
- When the battery is almost discharged, the display will become dim. To prevent improper calculations the battery must be replaced as soon as possible.
- Note: To prevent damage to your calculator, remove a bad battery. Do not store your calculator for extended periods of time with a battery in the battery comportment.
- To conserve battery life turn the calculator off when not in use.
- For A.C. operation, it will be necessary to use the optional A.C. adaptor model 710 or 7515, designed specifically for this calculator. Furn the power switch off, connect the adaptor to any convenient source of 110-120 volts A.C., and push the jack into the socket of the right side of the case. When the jack is inserted, the battery is outomatically disconrected.

NOTE: Use of any A.C. adaptor other than the type specifically designed for this calculator, may cause damage to the electronic circuits within the unit. See your Dealer for purchase of the proper A.C. adaptor.

į		DISP	LAY		
	PERCENT	CLEAR ENTRY	155.	E	
,	KEY ↓	CLEAR KEY	,	POWER SWITCH	
	%	CE/C			
NUMERIC KEYS	7	8	9	÷	
	4	5	6	×	COREDATE VEVE
¥3¥02	1	2	3	,	V GHAC
	0	•	=/K	-	
;	<u></u>	<u> </u>	RESULT AND CONSTANT KEY	·	•

KEYS AND SWITCHES

POWER SWITCH—Turns the calculator "ON" or "OFF". To turn the calculator on, slide the power switch to the left. A red dot will be visible when the switch is in the "on" position.

NUMERIC KEYS —Standard 1 to 9 keyboard is provided as well as 101 and 1.1.

[CE/C] CLEAR ENTRY/CLEAR KEY—This is a multi-function key which will clear the display of the last entry or result on the first push, and clear the calculator of all previous calculations on the second push.

NOTE: ALWAYS touch CE/C twice before beginning a new calculation.

 $\{\pm\}$ $\{\pm\}$ $\{\pm\}$ OPERATE KEYS.—These keys will perform any previous operation as well as instruct the calculator as to the next operation to be performed.

[=/K] RESULT KEY—At the conclusion of calculation touching this key will immediately place the answer on the display. Also, this key operates the AUTOMATIC CONSTANT [K] (see pages 9 and 101

[%]. PERCENT KEY—This is a special purpose key used to simplify calculations, involving Percentage (mork-up, discount). See example page 8.

DISPLAY INDICATORS

1-1 MINUS SIGN—The minus sign will appear to the left of the most significant digit and will shift in position with additional numbers.

OVERFLOW INDICATION. When the result of a culcoration exceeds 8 disjus(9999999), or when more than 8 digits are emered, the capacity of the
collocator has been exceeded. This will be indicated by the florking on and off of
the display. To obtain the correct position of the decimal point, move it right 8
places. See example, page 11. NOTE. To court a new culculation, first reach
[EE /C] twice.

BASIC	OPER/	ATING	INSTR	UCTION	5
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Number Entr

TO ENTER A NUMBER, "TOUCH" THE NUMERIC KEYS IN SEQUENCE.

Example: To KEY SEQUE		DISPLAY
Touch	(CE/C) Twice	0
faech	1	i
Touch	7	12
Touch	[•]	12.
Touch		Answer 12.3

TO CLEAR AN INCORRECT ENTRY, USE THE [CE/C] KEY.

	accordie 12 - 7 - ?			
XEY SEQUE	NCE		D1\$1	PŁAY
Total Co	:COC) Twice			0
Erser.	: 2			12
10000	: - {			12
le grot	you enter 8			8
	'MISTAKE"	"MISTAKE"		
Triuch	(CE/C)			0
Enter				3
Tour	[. /K]		Answer	84.

DECIMAL POINT. The decimal point in the answer is always floating with a maximum of 3 states.

KEY SEQUE	NCE	DISPLAY
Loude	(F'C) Twice	Ð
Entres	32.34	12,34
Touch	1 1 1	12.34
Enter	8 78	6.78
Touch	Ki Answer	83.6652

ADDITION AND SUBTRACTION

Example 1: To calculate 13:35 +4.56=?

ENTER	TOUCH		DISPLAY
	(CE/C)	Twice	0
13.35	1.1		13,35
4.56	i k	Answ	er 17.91

Example 2	: To	colculate	436 10	103 (2 :- 00
EXAMPLE Y	: 10	CUICOIGIE	400.10	- 1 ().5	YII

ENTER	TOUCH			DISPLAY
	[CE/C]	Twice		0
436.1	[-]			436.1
103.9	[≈/K]		Answer	332.2

Example 3: Your check book has a starting balance of \$86.39. You write checks for \$21.00, \$32.45 and \$14.26, then deposit \$162.26. What is your balance?

ENTER	TOUCH			DISPLAY
	(CE/C)	Twice		0
86.39	[-]			86.39
21.00				65.39
32.45	[-]			32.94
14.26	[+]		•	18.68
162.26	[/ ::/K]		rawenA	180 94

MULTIPLICATION AND DIVISION

Example 1: To calculate 31.62 × 58.6 = ?

ENTER	TOUCH		DISPLAY	
	{CE/C}	Twice	D	
31.62	$[\times]$		31.62	
58.6	(= / X)		Answer 1852,932	

Example 2: To calculate 196 ÷7=?

ENTER	TOUCH		DIS	PLAY
	{C8/C}	Twice		0
196	[]			196
7	[-= /K]		Answer	28.

Example 3: You drive in your automobile 186 miles and use 12.0 gallons of gas. How many miles, to the gallon, did you average? Use 186 : 12 miles per gallon.

ENTER	тоися		р	ISPLAY
	(CE/C)	Twice		0
186	[+:]			186
12	[= / K]		Answer	15.5

CHAIN CALCULATIONS

Example: To calculate 5.5 × 32 4 + 19 4 ?

ENTER	TOUCH	T T	ISPLAY
	ice/Cl	Twice	0
6.5	(1)		6.5
32	ii		208
4			52.
19	/ K	Answei	71.

PERCENTAGE CALCULATION %—The percent key is useful for dividing numbers by 100, and in markon — markdown problems, a reduces the number of steps required.

Example 1: To calculate 110 × 12% = ?

ENTER	TOUCH	D(SPLAY
	(CE/C) Twice	0
110	(×)	110
12	[%] {=/K}	Answer 13.2

Example 2:

Your cost is \$323.00 and you wish to mark on 16%.

ENTER	TOUCH		DISPLAY
	ICE/C Twice		0
323	(+)		323
16	[%]		51.68
, 4	[/K]	Answer	374.68

Example 3:Discount (Markdown)

The normal selfing price is \$323.00. You wish to discount this item by 16%.

ENTER	TOUCH		DISPLAY
*******	[CE/C] Twice		0
323	f i		323
16	1%		51.68
	-/ K	Answer	271.32

CALCULATIONS USING A CONSTANT CONSTANT MULTIPLICATION

For multiplication the SECOND number entered is the Constant

EXAMPLE	OPER	OPERATION	
3.72 is a constant			
15 X 3.72	15 [X]	$3.72 \ [=/k]$	55.8
30 X 3.72	30	[≈ /k]	111.6
215 X 3.72	215	[=/k]	799.8

CONSTANT DIVISION

For division the SECOND number entered is the Constant

EXAMPLE	DP#R	OPERATION	
12 is a constan	t		
48÷12	48 [÷]	12 [=/k]	4.
180÷12	180	[=:/k]	15.
756÷12	756	[=/k]	63

CONSTANT ADDITION

For addition the SECOND number entered is the Constant

	EXAMPLE	OPER.A	OPERATION	
	17 is a const	ant		
	15+17	15 (+)	17 [=/k]	32.
1	27.5 +17	27.5	[=/k]	44.5
	92.8 +17	92.8	[=/k]	109.8

CONSTANT SUBTRACTION

For subtraction the SECOND number entered is the Constant EXAMPLE OPERATION DISPLAY

25.5 is a constant				
57-25.5	57 [] 2	25.5 [=/k]	31,5	
3225.5	32	[=-/k]	6.5	
12-25.5	12	{ =/k}	-13.5	

NOTE: Since the constant operation is automatic do not push the [=/k] key more than once for any operation.

REPEAT ADDITION OR SUBTRACTION

If during a calculation, you require adding ar subtracting a number repeatedly, simply press the 1 = K 1 key the desired number of times after entering the number.

Examp	le: 2 - 4 + 4 + 4 + 2		
ENTER	TOUCH	210	PLAT
	[CF:C] Twice		0
2	1,1		2
4			4
NOTE	you wish to add the number 4 three times		
	: · · X)		6.
	1 - /K		10.
	[[Answer	14.

REPEAT MULTIPLICATION (POWER CALCULATION)

examp:	NC: 7 - 3		
ENTER	TOUCH		DISPLAY
	(CE/C) Twice		0
Ç	\×1		9
	/K) 3 Times	Answer	6561.

RECIPROCALS

To find the reciprocal of a number or calculated answer use the outomatic constant. When the number you want to take the reciprocal of is being displayed, simply press $\{ \pm 1 \}$, then $\{ \pm 1 \}$ twice.

Example: To calculate the reciprocal of 2.

ENTER	тоисн	DISPLAY
	{CE/C Twice	0
2	[•]	2
	/K) Twice	Answer 0.5

EXAMPLE OF OVERFLOW

 $4266 \times 53125 \times 1862 = ?$

	Display
Touch [CE/C] twice	0
Enter 4266	4266
Touch [x]	4266
Enter 53125	53125
Touch [x]	Flashing 2.2663125

NOTE: The display is flashing indicating overflow has accurred. The decimal point has been shifted 8 places to the left. The correct answer is 226631250.

to continue:

Touch [CE/C] twice	0
Enter 2.2663125	2.2663125
Touch [x]	2.2663125
Enter 1862	1862.
Touch $[=/K]$	4219.8738

correct answer is 4219.8738 x 10" = 421987380000.