

monroe
the calculator company

122PD II

Instruction Manual

Monroe 122PD II: Setting the Pace for the Future

Your Monroe 122PD II was built with the highest standards of quality and workmanship. Because we have over 100 years of experience in the design and manufacture of fine office equipment, you have a product you can rely upon. Quality...Performance...Value... in calculators for you or your Company.

The Monroe 122PD II Calculator is backed by a comprehensive limited warranty that covers parts and labor. And that same comprehensive protection, and convenient service, can be extended for as long as you own your calculator. The Monroe Maintenance Agreement is renewable annually at your option.

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About Your 122PD II

Our new 122PD II will give you the opportunity to solve a variety of figurework problems more accurately and efficiently than ever before. This instruction book will help you by providing complete, step-by-step information on the operation and application of your 122PD II. Whether you're an experienced operator or a beginner, you'll gain a practical, working knowledge of your 122PD II after reading this book.

The 122PD II has a 12-digit display and a 12-digit internal calculating capacity. The 122PD II also has one memory register and a separate Grand Total.

We want to be sure you take advantage of the many benefits Monroe has to offer. If you have any questions about a particular feature or application, don't hesitate to call 888-666-7631.

Monroe Model 122PD II

Serial Number:

Please record the Serial Number of your new calculator in the space provided above and retain this instruction booklet for your records and future reference. The Serial Number is located on the bottom case cover of your calculator.

Thank you,

Monroe Systems for Business



WARNING

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult an experienced radio/TV technician for help.

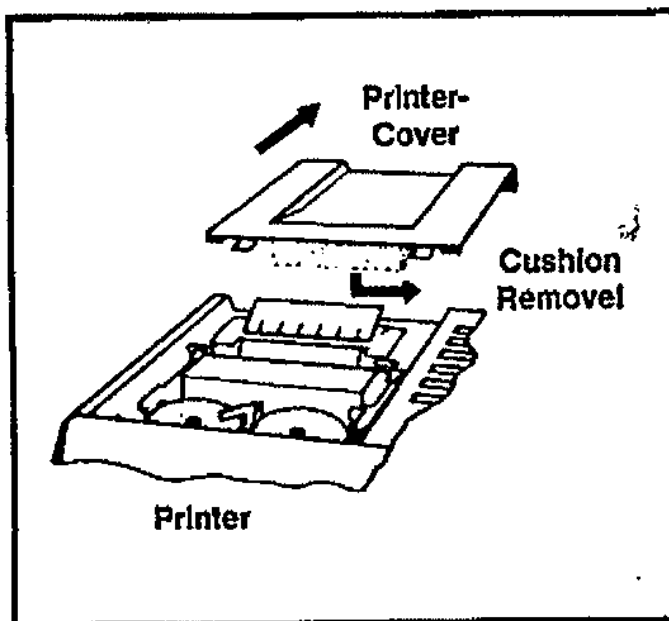
If necessary, the user should consult Monroe or an experienced radio/television technician for additional suggestions.

OPERATING INSTRUCTIONS

GETTING STARTED:

- 1) Take out the foam cushion inserted between the top cover and printer mechanism before connecting your machine to the power outlet.
- 2) Plug in AC power cord
- 3) Be sure that paper roll and ribbon cartridge/spooled ribbon have been installed properly. (Refer to pages 4 & 5).
- 4) Turn power switch on.
- 5) Set decimal point selector switch at the desired position.

NOTE: Please remove ribbon-cushion under Printer cover before operating! The cushion exists to protect the printer during shipment and has no purpose once delivered!



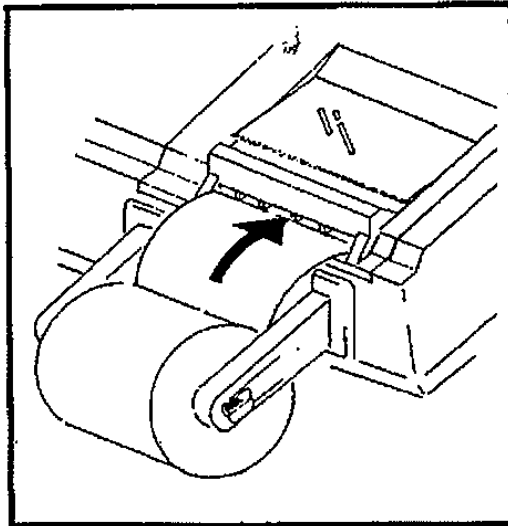
PROPER CARE & MAINTENANCE

- 1) Avoid locating and using the calculator in direct sunlight. Areas of high humidity, rapid temperature fluctuations and dirt should also be avoided.
- 2) Use a dry cloth to clean the calculator case parts. Do not use water, detergents or solvents.
- 3) Do not place objects on the calculator. Avoid performing office functions, such as stapling, above the unit.
- 4) When not in use, turn your calculator off. Use the dust cover to keep your calculator clean.
- 5) Prior to unplugging the calculator, make sure the calculator has been turned off.
- 6) Repairs should be performed by trained technicians. There are no user serviceable parts in this unit. **DO NOT ATTEMPT TO DISASSEMBLE THIS UNIT IN ANY WAY.**
- 7) THIS CALCULATOR SHOULD NOT BE USED IN OR NEAR WATER.

CHANGING THE PAPER TAPE

Use 2 1/4" (58mm) width paper tape.

- 1) Gently spread plastic paper roll holders apart far enough to disengage the old paper roll core.
- 2) Tear off any paper which may remain on the spent paper roll.
- 3) Press the paper advance ↑ key to remove any remaining paper from the spent roll.
- 4) Position the new paper roll on the paper roll holders with the leading edge feeding from the bottom of the roll.
- 5) Fold the leading edge back to form a straight edge and insert the leading edge of the paper into the slot located below and between the paper roll holders.
- 6) Press the paper advance ↑ key to advance the paper through the printer until it reaches the printing position.



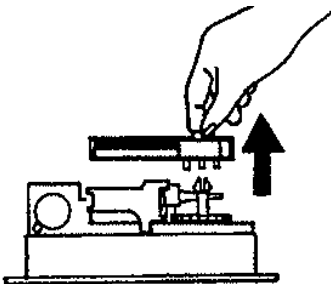
CHANGING THE RIBBON

Use Monroe No. P81M Ribbon

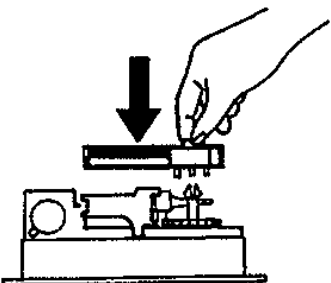
- 1) Remove excess paper tape.
- 2) Remove the printer cover. (Note how ribbon feeds, around guides and between print wheels and platen; black band up)



- 3) Lift out cartridge by moving the lever to the center, then move and lift out the cartridge.

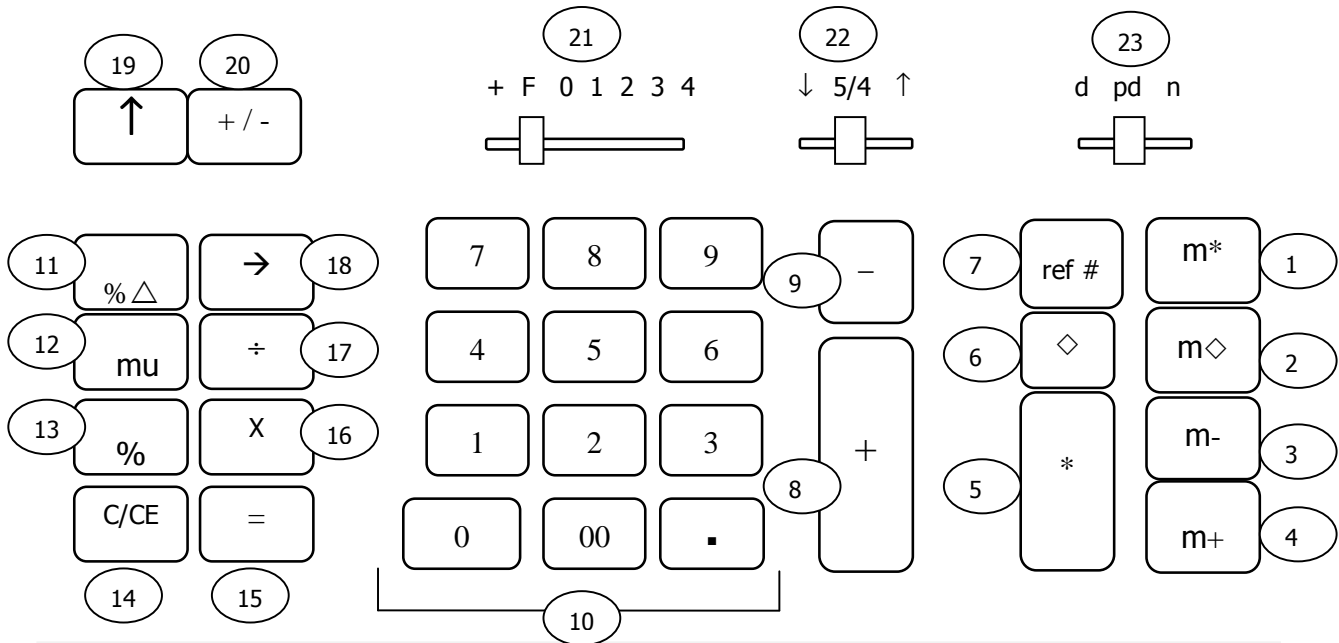


- 4) Holding new cartridge over spindles with black band up and exposed portion of ribbon on side nearest print wheels, place cartridge on spindle and engage cartridge.



- 5) Replace printer cover.

KEYBOARD LAYOUT



OPERATION KEYS & SWITCHES

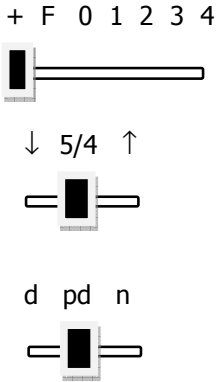
NBR	KEY/SWITCH	NBR	KEY/SWITCH
1	Memory Total Key	13	Percent Key
2	Memory Subtotal Key	14	Clear/Clear Entry Key
3	Memory Minus Key	15	Equals Key
4	Memory Plus Key	16	Multiplication Key
5	Total Key	17	Division Key
6	Subtotal Key	18	Back Space Key
7	Ref # Key	19	Paper Advance Key
8	Plus Key	20	Change Sign Key
9	Minus Key	21	Decimal Selector Key
10	Numeric Keys & Decimal Point Key	22	Rounding Control
11	Percent Change Key	23	Display/Print Display/Item Count Selector
12	Mark Up Key		

APPLICATIONS

Addition & Subtraction

Example:

$$\begin{array}{r}
 +25.76 \\
 + 9.48 \\
 + 9.48 \\
 - 2.71 \\
 - 2.71 \\
 \hline
 + 8.85 \\
 \hline
 48.15
 \end{array}$$



ENTER	DEPRESS
	C/CE
2576	+
948	+
	+
271	-
	-
885	+
	*

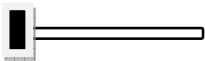
TAPE RESULT
0.C
25.76 +
9.48 +
9.48 +
2.71 -
2.71 -
8.85 +
48.15 T

Addition & Subtraction With Item Count & Ref # Key

Example:

$$\begin{array}{r}
 11/22/13 \\
 +25.76 \\
 + 9.48 \\
 + \underline{9.48} \\
 \hline
 44.72
 \end{array}$$

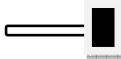
+ F 0 1 2 3 4



↓ 5/4 ↑



d pd n



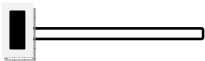
ENTER	DEPRESS	TAPE RESULT
	C/CE	0.C
11.22.13	ref #	#11.22.13
2576	+	25.76 +
	+	9.48 +
948	+	9.48 +
	+	003
	*	44.72 T

Addition Result Multiplied By A Number

Decimal at +

Example: $(2.77 + 14.98 + 3) \times 12.12 = 251.49$

+ F 0 1 2 3 4



↓ 5/4 ↑



d pd n



ENTER DEPRESS

C/CE

277

+

1498

+

3.

+

*

X

12.12

=

TAPE RESULT

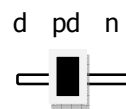
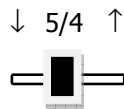
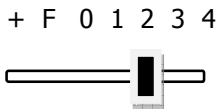
0.C

2.77 +
14.98 +
3.00 +
20.75 T

20.75 X
12.12 =
251.49 *

Simple Multiplication

Example: $12.3 \times 15 = 184.50$



ENTER DEPRESS

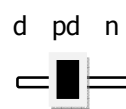
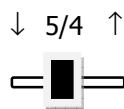
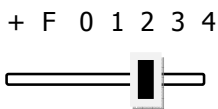
12.3 X

15 =

TAPE RESULT
$12.30 \times$ $15.00 =$ $184.50 *$

Chain Multiplication

Example: $12.3 \times 4.2 \times 2.5 = 129.15$



ENTER DEPRESS

12.3 X

4.2 X

2.5 =

TAPE RESULT
$12.30 \times$ $4.20 \times$ $2.50 =$ $129.15 *$

Constant Multiplication

Decimal at 2

Example: $1.65 \times 211 = 348.15$
 $1.65 \times 59 = 97.35$
 $1.65 \times 67 = 110.55$

+ F 0 1 2 3 4



↓ 5/4 ↑



d pd n



ENTER DEPRESS

1.65

211

59

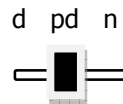
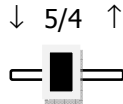
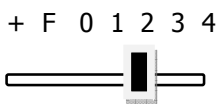
67

TAPE RESULT	
1.65 X	
211.00 =	348.15 *
59.00 =	97.35 *
67.00 =	110.55 *

Simple Division

Decimal at 2

Example: $375 \div 500 = 0.75$



ENTER	DEPRESS
375	\div
500	=

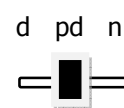
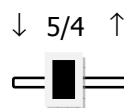
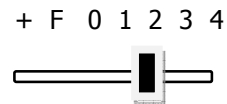
TAPE RESULT	
375.00	\div
500.00	=
0.75	*

Constant Division

Decimal at 2

Example:

$48 \div 3 = 16.00$
$12 \div 3 = 4.00$
$10.5 \div 3 = 3.50$



ENTER	DEPRESS
48	\div
3	=
12	=
10.5	=

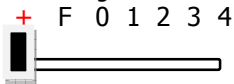
TAPE RESULT	
48.00	\div
3.00	=
16.00	*
12.00	=
4.00	*
10.50	=
3.50	*

Accumulative Calculations

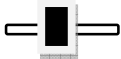
Decimal at +

Example: $(23.5 \times 10.18) = 239.23$
 $-(46 \div 9.75) = \underline{4.72}$
 234.51

actual F change to +



↓ 5/4 ↑



d pd n



ENTER DEPRESS

m*

23.5

X

10.18

m+

46

÷

9.75

m-

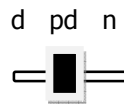
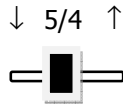
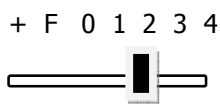
m*

TAPE RESULT	
0.0	MT
23.50	X
10.18	=
239.23	M+
46.00	÷
9.75	=
4.72	M-
234.51	MT

Discount

Decimal at 2

Example: What is the amount of discount and the cost of an article marked \$28.40 less 12.5%?

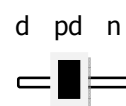
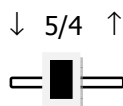
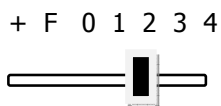


ENTER	DEPRESS	TAPE RESULT
28.40	X	28.40 X
12.5	%	12.50 %
	-	3.55 *
		24.85 - %

Add - On

Decimal at 2

Example: What is the tax and the total cost of an article marked \$24.25. Tax is 4%.

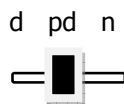
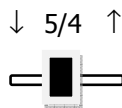
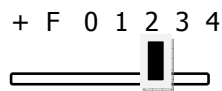


ENTER	DEPRESS	TAPE RESULT
24.25	X	24.25 X
4	%	4.00 %
	+	0.97 *
		25.22 +%

Percent of One Number to Different Numbers

Decimal at 2

Example: What percent of 150 is 60, 30, 50, 75?



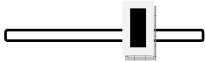
ENTER	DEPRESS	TAPE RESULT
60	\div	60.00 \div
150	%	150.00 %
		40.00 *
30	%	30.00 %
		20.00 *
50	%	50.00 %
		33.33 *
75	%	75.00 %
		50.00 *

Mark Up

mu

Example: An item costs \$100. A gross margin of 25% is desired on the item when it is sold. What is the item's selling price and what is the gross profit?

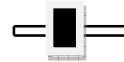
+ F 0 1 2 3 4



↓ 5/4 ↑



d pd n



ENTER DEPRESS

100

mu

25

=

TAPE RESULT

100.00 M

25.00 %

33.33 Δ^*

133.33 *

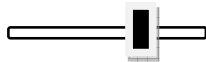
Mark Down

mu

+/-

Example: An item sells for \$100. Mark down the item 25%.

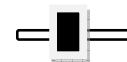
+ F 0 1 2 3 4



↓ 5/4 ↑



d pd n



ENTER DEPRESS

100

mu

25

+/-

=

TAPE RESULT

100.00 M

25.00 $-\%$

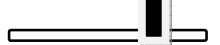
20.00 Δ^*


80.00 *


Percent Change

% Δ

Example: Compare a previous amount of \$125 to a present amount of \$150. What is the amount of increase or decrease and the percent of change?

+ F 0 1 2 3 4


↓ 5/4 ↑


d pd n


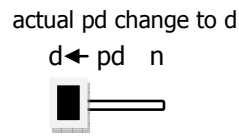
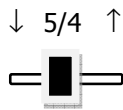
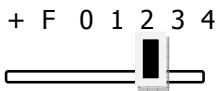
ENTER	DEPRESS
125	% Δ
150	=

TAPE RESULT
125.00 Δ
150.00 =
25.00 Δ^*
20.00 $\Delta\%$

Display Only – Back Space

Example:

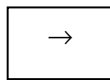
$$\begin{array}{r}
 12\cancel{3} \\
 124 + \\
 5 + \\
 \hline
 129 \text{ T}
 \end{array}$$



ENTER

123

DEPRESS

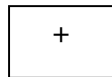


READ

123.

4

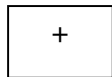
124.



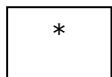
124.00

5

5.



129.00



129.00



**The time to order
Monroe's Long Life
Replacement Ribbons is
before the ink is dry.**

Congratulations...

Welcome to the Monroe family of office products. You've just made an intelligent purchase and a valuable investment. Now is the time to protect your investment. Don't wait until the ink is dry. Order the correct replacement ribbon today. Monroe Long Life Replacement Ribbons are designed for Monroe calculators and are reliable and economically priced.

How to Order Supplies

For supply pricing information and ordering supplies for your new 122PD II calculator, just phone, fax or mail your request as follow.

Phone: Dial 1-888-MONROE 1 (1-888-666-7631).

Fax: Fax your order with credit card information to 877-666-7635. You must include the account number, name as it appears on the card and the expiration date. (We accept Visa and MasterCard).

Mail: Send your check or money order to:
Monroe Systems for Business
2530 Pearl Buck Road, Ste B
Bristol, Pennsylvania 19007-6809

Web-site: <http://www.monroe-systems.com>

E-mail: csr@monroe-systems.com

122PD II Calculator Supplies

<u>Description</u>	<u>Item #</u>
Monroe Replacement Ribbons	P81M or P65M
Monroe Supply Kit	CSK8187

In addition to the 122PD II, Monroe offers a complete line of supplies for all Monroe calculators and many competitive model calculators. If interested, please ask for a complete compatibility listing.

LIMITED WARRANTY

Monroe warrants to the original end user Customer that the equipment will, at the time of delivery to such Customer, be free from defects in manufacture. During the warranty claim period, which shall be 180 days from the date of original delivery to original end user Customer, Monroe will provide, based upon a verified claim under this Limited Warranty, adjustments, repairs, labor and parts to place the equipment in proper operating condition (or will provide a replacement at its sole option). This warranty does not cover supplies, consumable items, external accessories or damage resulting from accident, misuse, abuse, neglect, faulty installation, use contrary to specifications, combination with other equipment, acts of God, modification, or unauthorized repair or alteration. This Limited Warranty is valid only for equipment sold and installed in the continental United States, Alaska, and Hawaii.

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