



Tru Red Tr44780 Desktop Printing Calculator Instruction Manual

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Tru Red Tr44780 Desktop Printing Calculator



12-Digit, 2 Color
We're here to help:
During weekday business hours, call: 1-800-270-9145

Preparation

A. POWER SOURCE: DC POWER

Plug the power cable to the power jack and plug the power adapter into a suitable power outlet.

B. Loading Paper

1. Place paper holders into position. (fig.1)
2. Install the paper roll on the holders.
3. Insert the paper end into printer slot.(fig.2)
4. Press[arrowup]key to feedthe paper to an adequate length.

C. REPLACING THE INK ROLLER

If the printing becomes faint, the ink roller may need to be replaced.

1. Turn the power off.
2. Remove the printer cover. (fig. 3)

3. Remove the old ink roller by pulling it up. (fig. 4)

INSERT BATTERIES

1. Remove the battery door from the back.
2. Insert 4 pieces UM-3 (AA)/ 1.5V batteries (Not included). Please make sure with correct polarity (+/-) of the batteries.
3. Reattach the battery door.
4. Install the new ink roller IR-40T in the compartment and gently press it down until it snaps into place. Place the printer cover back on the unit.

CAUTION: Turn the power off before replacing the ink roller.



WARNING

- Do not mix old and new batteries.
- Do not mix alkaline, standard (Carbon-Zinc), or rechargeable (Nickel Cadmium) batteries.

DATE AND TIME FUNCTION

- **TIME** Used to switch between calendar or clock mode
- **SET** (=) Used to set the date and time in calendar & clock mode
- **AM/PM** (X) Used to switch between AM or PM at clock mode time setting
- **12/24** (÷) Used to switch between 12 or 24 hour at clock mode time setting
- **FORMAT** (%) Used to select date format between “YYYY/MM/DD”, “DD/MM/YYYY” or “MM/DD/YYYY” at calendar

Set date and time

- Press **TIME** and then **SET**. (The first

EXAMPLE	ENTRY	DISPLAY
How to set time:	TIME 12/24 [+] (Hold for 3 seconds) [=] 0 3 4 5 [=] (Hold for 3 seconds) [=] AM/PM [X] [SET] [=] 12/24 [+]	HH-MM-SS AM HH-MM-SS AM "H" H-MM AM "0" 3-45 AM 03-45-00 AM "0" 3-45 PM 03-45-00 15-45-00
a) 3 :45AM b) 3 :45PM c) 15 :45		
How to set date:	TIME TIME [SET] [=] (Hold for 3 seconds) 16 10 29 [SET] [=]	YYYY-MM-DD 20"1"6-01-01 2016- "0"1-01 2016-10 - "0"1 2016-10 - 29
Oct. 29, 2016		

Date format:

While displaying the date, depressing the % key allows changing the date format mode from YYYY-MM-DD to MM-DD-YYYY or DD-MM-YYYY.

- The default date format is YYYY-MM-DD.
- Display symbol:**
 - M:** A number has been stored in memor
 - E:** Error or overflow capacity
- The display value is negative
 - Tax+, Tax-, Tax%:** Performance of tax calculation
 - Cost, Sell, Mgn%:** Performance of cost, sell and profit margin calculations

OPERATION EXAMPLES

Slide switch settings

[F4 2 0 A]•F [UP 514 CUT[•5/4 [OFF NP P PIC+]•P

A. Four fundamental arithmetic calculations

EXAMPLE	OPERATION	DISPLAY	PRINT OUT
(24+36-75)x8÷(-9) =13.3333333333	24 + 36 + 75 - × 8 ÷ 9 +/- =	24.+ 60.+ -15.- -15.× -120.÷ -9. 13.3333333333 =	24. + 36. + 75. - -15. × 8. ÷ -9. = 13.3333333333 *

B. Constant multiplication and division calculation

EXAMPLE	OPERATION	DISPLAY	PRINT OUT
a) $25 \times 3 = 75$	C/CE 25 × 3 =	0. 25. × 75. =	0. C 25. × 3. = 75. *
$25 \times 4 = 100$	4 =	100. =	4. = 100. *
$25 \times 5 = 125$	5 =	125. =	5. = 125. *
b) $36 \div 4 = 9$	36 ÷ 4 =	36. ÷ 9. =	36. ÷ 4. = 9. *
$136 \div 4 = 34$	136 =	34. =	136. = 34. *
$236 \div 4 = 59$	236 =	59. =	236. = 59. *

C. Percent calculation

EXAMPLE	OPERATION	DISPLAY	PRINT OUT
a) $500 \times 14.2\% = 71$	500 × 14.2 %	500. × 71.	500. × 14.2 % 71. *
b) $500 \times (1 + 14.2\%) = 571$	500 × 14.2 % +	500. × 71. 571. +	500. × 14.2 % 71. * 571. +%
c) $500 \times (1 - 14.2\%) = 429$	500 × 14.2 % -	500. × 71. 429. -	500. × 14.2 % 71. * 429. -%

D. Memory calculation

EXAMPLE	OPERATION	DISPLAY	PRINT OUT
$(8732 \times 3) - (42730 \div 32) = 24'860.6875$	8732 × 3 M±	8'732. × M 26'196.	8,732. × 3. =
	42730 ÷ 32 M±	M 42'730. ÷ M 1'335.3125	26,196. M+ 42,730. ÷ 32. =
	M∅	M 24'860.6875	1,335.3125 M-
	M*	24'830.6875	24'860.6875 M∅
			24'860.6875 M*

E. Correcting mistaken entry

EXAMPLE	OPERATION	DISPLAY	PRINT OUT
$123 + 455 = 578$	123 + 456 C/CE 455 + *	123. + 0. 578. + 578.	123. + 455. + 578. *

F. Decimal select

EXAMPLE	OPERATION		DISPLAY	PRINT OUT
[UP 5/4 CUT] = UP [F 4 2 0 A] = F 1.4231×3=?	1.4231 3	× = 	1.4231 × 4.2693 =	1.4231 × 3. = 4.2693 *
[UP 5/4 CUT] = 5/4 [F 4 2 0 A] = 2	1.4231 3	× = 	1.4231 × 4.27 =	1.4231 × 3. = 4.27 *
123+5=128 To print date 2016.10.10	123 5 2016.10.10	+ + * # ⊗	123.00 + 128.00 + 128 00 2'016.1010	123.00 + 5.00 + 128.00 * # 2016.10.10.....
[F 4 2 0 A] = 0	1.4231 3	× = 	1.4231 × 4. =	1.4231 × 3. = 4. *
[OFF NP P PIC+] = PIC+ [F 4 2 0 A] = A 3.13+0.05+4.56+6.00 =13.74	313 5 456 600	C/CE + + + + *	0. 3.13 + 3.18 + 7.74 + 13.74 + 13.74 +	0. C 3.13 + 0.05 + 4.56 + 6.00 + 004..... 13.74 *

G. Rounding calculation

EXAMPLE	OPERATION		DISPLAY	PRINT OUT
[OFF NP P PIC+] = P [UP 5/4 CUT] = UP [F 4 2 0 A] = F 3÷7×2=?	3 7 2	÷ × = 	3. ÷ 0.42857142857 × 0.85714285714 =	3. ÷ 7. × 2. = 0.85714285714 *
1). [F 4 2 0 A] = 4 3÷7×2=?	3 7 2	÷ × = 	3. ÷ 0.42857142857 × 0.8572 =	3. ÷ 7. × 2. = 0.8572 *
2). [F 4 2 0 A] = 2 [UP 5/4 CUT] = 5/4 3÷7×2=?	3 7 2	÷ × = 	3. ÷ 0.42857142857 × 0.86 =	3. ÷ 7. × 2. = 0.86 *
3). [UP 5/4 CUT] = CUT 3÷7×2=?	3 7 2	÷ × = 	3. ÷ 0.42857142857 × 0.85 =	3. ÷ 7. × 2. = 0.85 *

H. Application calculation

EXAMPLE	OPERATION		DISPLAY	PRINT OUT
[OFF NP P PIC+] = PIC+				
[F 4 2 0 A] = 0	5	x	5. x	5. x
A = 5 x 2 = \$10	2	=	10. =	2. =
				10. *
		+	10. +	10. +
B = 10 x 5 = \$50	10	x	10. x	10. x
	5	=	50. =	5. =
				50. *
Subtotal C		+	60. +	50. +
C = A + B = \$60		#	60.	002.....
		◇		60. ◇
D = 5 x 6 = \$30	5	x	5. x	5. x
	6	=	30. =	6. =
				30. *
		+	90. +	30. +
E = 10 x 7 = \$70	10	x	10. x	10. x
	7	=	70. =	7. =
				70. *
F = D + E = \$100		+	160. +	70. +
G = C + F = \$160		*	160.	004.....
				160. *

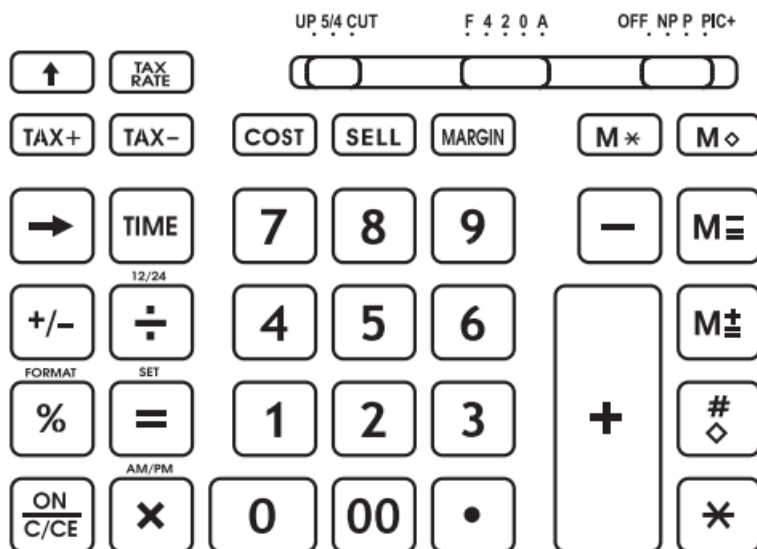
I. Business sales calculation

EXAMPLE	OPERATION		DISPLAY	PRINT OUT
Calculating Cost				
Selling Price : \$1,500	1500	<input type="button" value="SELL"/>	SELL `1'500.↵	1,500. C-
Profit Margin : 30%	30	<input type="button" value="MARGIN"/>		30. MG
Cost=? (\$1,050)			COST 1'050.	1,050. *
Calculating Selling Price				
Cost : \$2,000	2000	<input type="button" value="COST"/>	COST `2'000.↵	2,000. C+
Profit Margin : 20%	20	<input type="button" value="MARGIN"/>		20. MG
Selling Price=? (\$2,500)			SELL 2'500.	2,500. *
Calculating Profit Margin				
Cost : \$1 500	1500	<input type="button" value="COST"/>	COST `1'500.↵	1,500. C+
Selling Price : \$2,000	2000	<input type="button" value="SELL"/>		2,000. C-
Profit Margin=? (25%)			MGN % 25.	25. *

J. Calculate Included TAX or excluded TAX operation


EXAMPLE	OPERATION		DISPLAY	PRINT OUT
[F 4 2 0 A] = F				
[OFF NP P PIC+] = P				
Enter rate (3%)	3	TAX RATE	3.	
15600 → 1560	15600	TAX+	1'560.	3. %
1560(1+3%) = ?		TAX+	1'606.8	1,560.
				3. %
1560(1-3%) = ?	1560	TAX-	1'514.56310679	46.8 +
				1,606.8 *
				1.560.
				3. %
		TAX%	3.	-45.43689321 +
		TAX%	0.	1,514.56310679 *
		C/CE	0.	0. C
		TAX RATE	3.	
		TAX-	3.	3. %
	1234	TAX RATE	1'234.	
		TAX +	1'234.	1'234. %
-1560(1+1234%)=A	1560	+/-	-1,560.	
		TAX +	-20'810.4	-1,560.
				1.234. %
				-19,250.4 +
				-20,810.4 *
				-20,810.4
A(1+1234%)=B		TAX +	-277'610.736	1,234. %
				- 256,800.336 +
				- 277,610.736 *

KEY IDENTIFICATION



- F 4 2 0 A
 [] **Decimal set:** (A) Accountant, (4 2 0) Fixed, (F) Floating
- UP 5/4 CUT
 [] (UP) An answer is rounded up
- (5/4) An answer is rounded off
- (CUT) An answer is rounded down

OFF NP P PIC+

-  (PIC+) Selects printer item count mode
- P) Switch to choose printer on
- (NP) PowerON
- (OFF) PowerOFF
- [0][9][00] Numeral keys
- [.] Decimal point key
- [+] Add key
- [-] Subtract key
- [x] Multiplication key
- [+] Division key
- [=] Equal key
- [%] Percent Key
- [M \diamond] Memory subtotal recall key
- [M'] Memory total clear key
- [M=+] Memory plus key
- [M-=] Memory minus key
- [↑] Paper feed key
- [# \diamond] Subtotal key and Date/ Number key
- [CE/C] Clear entry/ Clear key
- [→] Backspace key
- [+/-] Inverts sign of the displayed number at key entry
- [TAX+] or [TAX -] *Prints Tax/ included TAX (TAX=J)
 - $A \text{ JAX} \pm = A(3/100)$
 $= A + (A(J/100))$
 - *Prints TAX/ excluded TAX (TAX=3)
 $A \text{ IA} \& = A - A(1 + (3/100))$
 $= A / (1 + (3/100))$
- [*] Total key
- [COST] [SELL] [MARGIN] Used for calculating the cost, selling price and profit margin amount. Enter the value of any 2 items to obtain the balance value item. (e.g. enter the value of the cost and the selling price to obtain the profit margin,)

NOTE: The entered tax rate, time and calendar will be lost if the AC adaptor is disconnected from the AC power source.

Electromagnetic interference or electrostatic discharge may cause the display to malfunction or the contents of the memory to be lost or altered. Should this occur, use the tip of a ball point pen (or similar sharp object) to press the [RESET] button at the back of the calculator. After resetting, be sure to set the calendar, clock and tax rate again.



SPECIFICATIONS

- **Display:** 12 digits, large LCD display

- **Printing Speed:** Approximately 2.0 lines/second
- **Printing Paper:** Width 57 mm (2¼ inch), diameter 50-80 mm (1.96-3.15 inch)
- **Power Sources:**
 - AC-100-240V, 50/60Hz, with an AC adaptor
 - 6V DC, 400mA or DC-4 AA size manganese dry batteries (UM-3)
 - CR2032 X 1 (backup)
- **Usable Temperature:** 0° – 40°C (32° – 104°F)
- **Power Consumption:** 1.8W
- **Dimensions:** 155 mm (W) × 233 mm (L) × 61 mm (H)
- **Ink Roller:** IR-40T
- **Printing Color:** 2-color (minus and negative in red)

One (1) Year Limited Warranty

Worklife Brands, LLC (“Worklife Brands”), warrants to the original purchaser that this TRU RED calculator, except the battery, will be free from defects in material and workmanship under normal use for one (1) year from the date of purchase. Worklife Brands will either replace any defective Worklife Brands brand calculator free of charge with the same or similar model or refund 100% of the purchase price, at Worklife Brands’ option.

To claim your replacement or refund, contact product support at 1-800-270-9145 from 8 am to 8 pm EST Monday – Friday (except holidays). Please retain the dated sales receipt as evidence of the date of purchase as it will be required for any warranty service.

This warranty will not apply to normal wear or damage from misuse, abuse, improper storage and handling, installation, accident, repair, or alteration. Without limiting the foregoing, battery leakage, bending of the unit, a broken tube, floppy drive recalibrations, and any cracks in the LCD display will be presumed to have resulted from misuse or abuse.

IN NO EVENT WILL WORKLIFE BRANDS BE LIABLE FOR ANY INCIDENTAL, DIRECT, INDIRECT, SPECIAL, PUNITIVE, OR CONSEQUENTIAL DAMAGES (SUCH AS BUT NOT LIMITED TO DAMAGES FOR LOSS OF PROFITS, BUSINESS, SAVINGS, DATA, OR RECORDS) RELATED TO THIS PRODUCT. SOME STATES, PROVINCES, AND TERRITORIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY DEPENDING UPON THE STATE, PROVINCE, TERRITORY, OR COUNTRY.

EXCEPT AS STATED HEREIN, NO OTHER WARRANTIES SHALL APPLY.

FCC Statement

FCC Statement and Additional Information

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 radio 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 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 or circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and; (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canadian ICES and Additional Safety Information

This Class B digital apparatus complies with Canadian ICES-003. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio 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 or circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CAN ICES-3B / NMB-3 (B)

Frequently Asked Questions

What are the dimensions of the TRU RED TR44780 Desktop Printing Calculator?

The dimensions of the calculator are 2.15 inches in height (H), 5.85 inches in width (W), and 9.25 inches in depth (D).

Is this calculator battery-powered or can it be plugged in?

This TRU RED calculator can be powered either by an AC adapter (included) for continuous use or by four AA batteries (not included) for additional versatility.

How fast does it print?

The TRU RED TR44780 Desktop Printing Calculator can print up to two lines per second, ensuring quick

documentation of your calculations.

Does it come with paper rolls?

Yes, one paper roll is included with the calculator for easy setup and immediate use.

What functions does this calculator offer for business use?

This calculator provides a 12-digit LCD display for convenient viewing. It also offers tax calculation, cost, sell, and margin functions to help you with your business calculations and record-keeping.

Is the TRU RED TR44780 calculator suitable for a business environment?

Yes, this calculator is designed for business use and can help you accurately document business costs and transactions with its features and functions.

Can I use this calculator for time stamping on receipts?

Yes, the calculator has a time function that allows for timestamps on receipts, making it efficient for record-keeping purposes.

What is the weight of the TRU RED TR44780 Desktop Printing Calculator?

The item weight of this calculator is approximately 1.59 pounds.

How do I change the paper roll when it runs out?

To change the paper roll, follow the instructions provided in the user manual that comes with the calculator. Typically, you'll need to open the paper compartment, remove the old roll, and insert a new one, making sure it feeds correctly.

Can I use this calculator for tax calculations?

Yes, the calculator offers tax calculation functions, making it useful for calculating taxes on transactions.

Is there a backlit display for easy visibility in low-light conditions?

The TRU RED TR44780 does not mention having a backlit display, so it may not be suitable for use in low-light conditions without additional lighting.

How long does the battery last if I use it with AA batteries?

The battery life may vary depending on usage and the quality of batteries used. Typically, alkaline AA

batteries can last for several months of regular use, while rechargeable batteries may need more frequent recharging.

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