



# Display Calculator TR320

## Easy Instructions

12 Digital display  
1 Year limited warranty  
Auto shut-off  
Battery (1.5V LP1130) included  
Full function memory: M+/M-/MRC  
Solar powered with battery backup



### We're here to help!

Call our Product Support experts during weekday business hours:  
**1-800-270-9145**

## BEFORE USING THIS PRODUCT, READ, UNDERSTAND, AND FOLLOW THESE INSTRUCTIONS.

### - FOR INDOOR USE ONLY -

#### IMPORTANT SAFEGUARDS

- **READ ALL INSTRUCTIONS BEFORE USE.**
- To avoid product damage, do not store the product in or expose it to direct sunlight or excessively high temperatures for prolonged periods.
- To avoid damage to internal circuitry, do not expose the calculator to humidity or dust.
- Never drop the calculator or subject it to strong impact.
- Never twist or bend the calculator. Avoid carrying the calculator in pockets, trousers, or tight-fitting clothing where it might be twisted or bent.
- Distributor is not responsible for any compensatory, consequential, or incidental damage that may result from use or misuse of this product.
- Do not immerse the product in water or other liquids.
- This product has no-serviceable parts. To avoid damage to the calculator, do not attempt to open or disassemble it.
- To avoid damage to the product, do not press the keypad buttons with a ball point pen or other pointed objects.
- Electromagnetic interference or electrostatic discharge may cause the display to malfunction or the contents of the memory to be lost or altered. To initialize the calculator, use the tip of a ball point pen (or similar sharp object) to press the "RESET" button at the back of the calculator.  
NOTE: Also press "RESET" once after replacing the battery.



#### SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

#### To Operate

- To turn on the calculator, press the **ON/C** key.
- To clear an error during calculations, press the **CE** key once.
- To clear the display, press the **ON/C** key twice.
- The calculator will turn off after approximately seven minutes of inactivity.

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#### Function Keys

- ON/C** Turns unit on / Clear display / Clear entry. **±** Calculates division.
- MRC** Recalls memory content. **√** Calculates square root.
- M-** Subtracts display amount from memory. **%** Calculates percentage.
- M+** Adds displayed amount to memory. **=** Enables summation.
- MU** Calculates mark up. **+/-** Changes the displayed value to + or -.
- x** Calculates multiplication. **COST** Cost input.
- Calculates subtraction. **SELL** Sell price input.
- +** Calculates addition. **MGN** Margin input.
- ▶** Deletes last digit entered.

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#### Sample Calculations

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| <b>ADDITION AND SUBTRACTION</b><br>$123 + 456 - 789 = -210$<br><b>ON/C</b> <b>CE</b> <b>1</b> <b>2</b> <b>3</b> <b>+</b> <b>4</b> <b>5</b> <b>6</b> <b>-</b> <b>7</b> <b>8</b> <b>9</b> <b>=</b><br>Display -210                                 | <b>CONSTANT CALCULATION</b><br>$5 \times 6 = 30$<br>$5 \times 7 = 35$<br><b>ON/C</b> <b>CE</b> <b>5</b> <b>x</b> <b>6</b> <b>=</b> Display 30<br><b>ON/C</b> <b>CE</b> <b>5</b> <b>x</b> <b>7</b> <b>=</b> Display 35  |
| <b>MULTIPLICATION AND DIVISION</b><br>$(456 \times 289) \div 123 = 1071.41463414$<br><b>ON/C</b> <b>CE</b> <b>4</b> <b>5</b> <b>6</b> <b>x</b> <b>2</b> <b>8</b> <b>9</b> <b>÷</b> <b>1</b> <b>2</b> <b>3</b> <b>=</b><br>Display 1'071.41463414 | $24 \div 12 = 2$<br>$54 \div 12 = 4.5$<br>$72 \div 12 = 6$<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>4</b> <b>÷</b> <b>1</b> <b>2</b> <b>=</b> Display 2<br><b>ON/C</b> <b>CE</b> <b>5</b> <b>4</b> <b>÷</b> <b>1</b> <b>2</b> <b>=</b> Display 4.5<br><b>ON/C</b> <b>CE</b> <b>7</b> <b>2</b> <b>÷</b> <b>1</b> <b>2</b> <b>=</b> Display 6  |
| <b>ENTRY CORRECTION</b><br>$1234 \times 2 = 2468$<br><b>ON/C</b> <b>CE</b> <b>1</b> <b>2</b> <b>3</b> <b>4</b> <b>x</b> <b>2</b> <b>=</b><br>Display 2'468   | <b>POWER CALCULATION</b><br>$1.1^4 = 1.4641$<br><b>ON/C</b> <b>CE</b> <b>1</b> <b>·</b> <b>1</b> <b>x</b> <b>4</b> <b>=</b> Display 1.4641   |
| <b>MIXED CALCULATION</b><br>$(5 \times 6 - 34) \div 2 + 8.27 = 6.27$<br><b>ON/C</b> <b>CE</b> <b>5</b> <b>x</b> <b>6</b> <b>-</b> <b>3</b> <b>4</b> <b>÷</b> <b>2</b> <b>+</b> <b>8</b> <b>·</b> <b>2</b> <b>7</b> <b>=</b><br>Display 6.27      | <b>ADD-ON PERCENT CALCULATION</b><br>$246 \text{ plus } 5\% = 258.3$<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>4</b> <b>6</b> <b>+</b> <b>5</b> <b>%</b> <b>=</b><br>Display 258.3  |
| <b>PERCENT CALCULATION</b><br>$5\% \text{ of } 246 = 12.3$<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>4</b> <b>6</b> <b>x</b> <b>5</b> <b>%</b> <b>=</b><br>Display 12.3   | <b>SQUARE ROOT</b><br>$\sqrt{36 + 13} = 7$<br><b>ON/C</b> <b>CE</b> <b>3</b> <b>6</b> <b>+</b> <b>1</b> <b>3</b> <b>√</b> <b>=</b> Display 7   |
| <b>PERCENT DISCOUNT CALCULATION</b><br>$246 \text{ minus } 5\% = 233.7$<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>4</b> <b>6</b> <b>-</b> <b>5</b> <b>%</b> <b>=</b><br>Display 233.7   | <b>MEMORY CALCULATION</b><br>$(99 \div 4) - (2 \times 3) = 18.75$<br><b>ON/C</b> <b>CE</b> <b>9</b> <b>9</b> <b>÷</b> <b>4</b> <b>-</b> <b>2</b> <b>x</b> <b>3</b> <b>=</b> Display 24.75<br><b>MRC</b> <b>MRC</b> <b>2</b> <b>x</b> <b>3</b> <b>=</b> Display 6<br><b>MRC</b> <b>MRC</b> <b>9</b> <b>9</b> <b>÷</b> <b>4</b> <b>-</b> <b>2</b> <b>x</b> <b>3</b> <b>=</b> Display 18.75<br><b>MRC</b> <b>MRC</b> <b>9</b> <b>9</b> <b>÷</b> <b>4</b> <b>-</b> <b>2</b> <b>x</b> <b>3</b> <b>=</b> Display 18.75 |

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| <b>COST, SELL, AND MARGIN CALCULATION:</b><br>Determine the Cost<br>If the selling price of an item is \$36.55 and the margin is 20%, find the cost of the item.<br><b>ON/C</b> <b>CE</b> <b>3</b> <b>6</b> <b>·</b> <b>5</b> <b>5</b> <b>SELL</b> <b>2</b> <b>0</b> <b>MGN</b> <b>=</b> Display <b>COST</b> 29.24 |
| Determine the Selling Price<br>If the cost of an item is \$29.24 and the margin is 20%, find the selling price.<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>9</b> <b>·</b> <b>2</b> <b>4</b> <b>COST</b> <b>2</b> <b>0</b> <b>MGN</b> <b>=</b> Display <b>SELL</b> 36.55  |
| Determine the Margin<br>If the cost of an item is \$29.24 and the selling price is \$36.55, find the margin percentage.<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>9</b> <b>·</b> <b>2</b> <b>4</b> <b>COST</b> <b>3</b> <b>6</b> <b>·</b> <b>5</b> <b>5</b> <b>SELL</b> <b>=</b> Display <b>MGN</b> 20                  |
| <b>MARKUP:</b><br>$\text{Cost} = \$100, \text{profit} = 20\%. \text{ Find selling price.}$<br><b>ON/C</b> <b>CE</b> <b>1</b> <b>0</b> <b>0</b> <b>+</b> <b>2</b> <b>0</b> <b>MU</b> <b>=</b> Display 125<br><b>MU</b> <b>=</b> Display 25  |
| <b>MARKDOWN:</b><br>$\text{Selling price} = \$2,400, \text{Profit} = 20\%. \text{ Find the cost.}$<br><b>ON/C</b> <b>CE</b> <b>2</b> <b>4</b> <b>0</b> <b>0</b> <b>+</b> <b>2</b> <b>0</b> <b>+/-</b> <b>MU</b> <b>=</b> Display 2'000<br><b>MU</b> <b>=</b> Display 400   |

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#### Other Functions

**Rounding Selector:**

- UP:** Rounds up the decimal to the specified\* number of places.
- 5/4:** Rounds off the decimal to the specified\* number of places.
- CUT:** Cuts off the decimal to the specified\* number of places.

\*Use the DECIMAL PLACE SELECTOR to specify the number of decimal places.

**Decimal Place Selector:**

Specifies the number of decimal places for rounding or truncating.

- F:** Floating decimal point system, which displays the value without rounding.
- 3, 2, 0:** Number of decimal places for the UP, 5/4, and CUT setting of the Rounding Selector.

- ADD2:** Add mode. Automatically adds a decimal point and two decimal places to all entered values, even if no decimal point is entered. Useful for financial calculations in dollars or other monetary units requiring two decimal places.

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#### Battery Handling and Usage

**CAUTION:** Only adults should handle batteries. Do not allow a child to use this product unless the Battery Compartment Cover is securely attached to the Battery Compartment in accordance with all product usage instructions.

- Follow the battery manufacturer's safety and usage instructions.
- Keep batteries away from children and pets.
- Do not mix a used battery with a new battery, or mix different chemistries or sizes of batteries.
- Insert the batteries observing the proper polarity (+/-) as indicated inside the battery compartment. Failure to properly align the battery polarity can cause personal injury and/or property damage.
- Remove spent or discharged batteries from the product. Remove the batteries when the product will not be used for extended periods of time.
- Never throw batteries into a fire. Do not expose batteries to fire or other heat sources.
- Battery Disposal: Spent or discharged batteries must be properly disposed of and recycled in compliance with all applicable laws. For detailed information, contact your local solid waste authority.
- Save these instructions for future reference.

#### To Replace the Battery

1. Remove the screw in the battery compartment cover.
2. Open battery cover.
3. Remove spent button battery. Insert a fresh button cell (LR1130 or equivalent) observing the proper polarity (+/-) with the "+" side up. Failure to properly align the battery polarity can cause personal injury and/or property damage.
4. Replace battery compartment cover and screw in place.

#### Care and Maintenance

- Never use paint thinner, benzene, or other volatile agents to clean the calculator, as these materials will remove printed markings and damage the case.
- Use a soft, dry cloth to clean the exterior of the calculator.
- Never use liquids or abrasive cleaners to clean this product.
- To avoid damage to the product, do not immerse it in water or other liquids.
- Do not expose batteries to fire or other sources of heat.
- The Battery contains mercury; do not put it in the trash. Battery Disposal: Spent or discharged batteries must be properly disposed of and recycle in compliance with all applicable laws. For detailed information, contact your local solid waste authority.

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#### 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 8am to 8pm 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 alternation. 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 OF LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATION ON HOW LONG AN IMPLIED WARRANTY LASTS. THIS WARRANT 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.**

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