

# EC-235 8-Digit Pocket Calculator

OWNER'S MANUAL — Please read before using this equipment.

Your RadioShack EC-235 8-Digit Pocket Calculator's compact size lets you use it almost anywhere.

**Percentage Key** — simplifies discount, percentage, and tax calculations.

**Square Root Key** — quickly computes the square root of the displayed number.

**Constant Calculations** — let you add, subtract, divide, or multiply the same number over and over without having to re-enter that number.

**Large 8-Digit Liquid Crystal Display** — makes it easy to read calculation results.

**Protective Wallet** — protects the calculator's keypad.

## OPERATION

You can enter basic, mixed, percentage, add-on, and discount calculations.

Press **ON/C** to turn on your calculator.

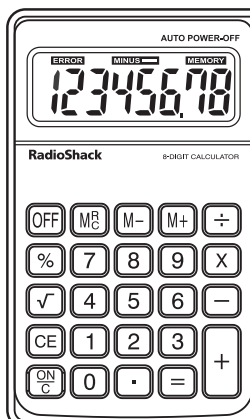
If you do not press a key for about 8 minutes, your calculator automatically turns off. To turn it off sooner, press **OFF**.

### Correcting Entry Errors

If you enter an incorrect value, press **CE** (Clear Entry) once. Then enter the correct value and continue your calculation.

To clear the display for a new calculation, press **ON/C** (On/Clear) so **0.** appears (this also clears the calculator's memory). Then begin the new calculation.

If you press an incorrect operator key (+, -, ×, ÷), simply press the correct key and continue your calculation.



### Constant Calculations

For addition, subtraction, and division, the value you enter before pressing = is the constant. For multiplication, the value you enter before pressing × is the constant.

Calculation	You Press	You See
7 + 3 = 10 5 + 3 = 8	7 + 3 = 5 =	10. 8.
260 × 12.3 = 3198 260 × 4.15 =	260 × 12.3 = 4.15 =	3198. 1079.

## Exponential, Square Root, and Reciprocal Calculations

Calculation	You Press	You See
$2^3 = 8$	2 x = =	8.
The square root of 2 is 1.4142135	2 √	1.4142135
$1/8 = 0.125$	8 ÷ =	0.125

## Memory Calculations

To store a value in memory, first clear the memory and the display by pressing **M<sup>R</sup>** (Memory Recall/Clear) twice, then press **CE**.

To add a value to memory, enter the number or calculation you want to add, then press **M<sup>+</sup>**. The calculator totals the current calculation (if one is pending) and adds that value to memory.

To subtract a value from memory, enter the number or calculation you want to subtract, then press **M<sup>-</sup>**. The calculator totals the current calculation (if one is pending) and subtracts that value from memory.

To recall the value from memory, press **M<sup>R</sup>** once.

## Calculation Errors

**ERROR** appears when:

- A calculation result exceeds 8 digits. This is an overflow error (see "Estimating Calculation Results").
- A memory calculation result exceeds 8 digits to the left of the decimal point. The memory contents remain unchanged.
- You try to divide by 0.
- You try to calculate the square root of a negative number.

If **ERROR** appears, press **ON/C** to clear the error.

## Estimating Calculation Results

If you perform an operation that results in an overflow error, you can estimate the correct result (to 8 significant digits) by following these steps.

1. Count the number of digits to the left of the decimal point.
2. Remove the decimal point.
3. Add as many zeros to the right of the number as there were digits to the left of the decimal point.

For example, if **ERROR 1.0742064** appears, the approximate answer is 101,420,640. If **ERROR 319.70347** appears, the approximate answer is 31,970,347,000.

## CARE

Keep the calculator dry; if it gets wet, wipe it dry immediately. Use and store the calculator only in normal temperature environments. Handle the calculator carefully; do not drop it. Keep the calculator away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the calculator's internal components can cause a malfunction and might invalidate its warranty. If your calculator is not performing as it should, take it to your local RadioShack store for assistance.

## Replacing the Battery

If the display dims or the calculator speed slows down, replace the battery with a 389A type button-cell battery. For the best performance and longest life, we recommend RadioShack alkaline batteries.

**Warning:** Keep button-cell batteries away from children. Swallowing a button-cell battery can be fatal.

### Cautions:

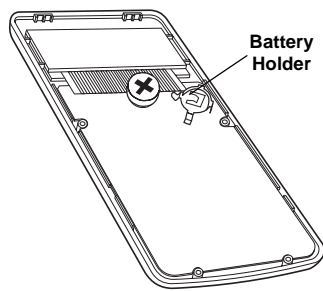
- Use only a fresh battery of the required size and type.
- Always remove an old or weak battery. Batteries can leak chemicals that can destroy electronic parts.
- Dispose of the old battery promptly and properly. Do not burn or bury it.

1. Using a Phillips screwdriver, remove the four screws on the back cover of the calculator.

2. To separate the front and back cover halves, carefully insert and twist a flat-blade screwdriver between them. Use a flat-blade screwdriver to gently pry out the battery.

3. Position the new battery so the positive (+) side is up. Slide one edge of the battery under the tab on the battery holder, then press the battery into place.

4. Snap the cover halves back together. Then reinsert and tighten the screws.



## SPECIFICATIONS

Power Source .....	One 389A Button-Cell Battery
Battery Life .....	About 3000 Hours
Operating Temperature .....	32–104°F (0–40°C)
Dimensions (HWD) .....	$4\frac{9}{32} \times 2\frac{19}{32} \times \frac{9}{32}$ Inches (10.9 × 6.6 × 0.69 cm)
Weight (Including Battery) .....	2.05 oz (58 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

### Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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