



12-Digit Dual-Power Metal-Top Desk Calculator

6500542

Owner's Manual

Please read before using this equipment.

☐ Contents

Features	2
A Look at Your Calculator	3
Operation	4
Turning On the Calculator	4
Using the Special Function Keys	4
Clearing Entries	4
Rounding	4
Setting the Number of Decimal Places	4
Calculation Errors	5
Estimating Calculation Results	5
Calculation Examples	6
Square Root	6
Percent	6
Grand Total	6
Memory Calculations	7
Mark-Up Calculations	7
Constants	9
Care	10
Replacing the Battery	10
Specifications	11

☐ Features

Your Nexxtech 12-Digit Dual Power Metal Top Desk Calculator can be powered from two different sources, so you can use it almost anywhere. Its built-in solar panel provides power when you expose the calculator to light. When there is not enough light, the supplied battery provides power.

Your calculator's features include:

Large 12-Digit Display — makes calculations easy to read.

Adjustable Display — tilts forward for easy viewing.

© 2000 ORBYX Electronics.
All Rights Reserved.

Backspace Key — deletes the last number entered.

Mark-Up Key — helps you easily determine cost, final price, and profit margin.

% Key — simplifies calculation of percentages.

Four Function Memory — lets you add to, subtract from, recall subtotals

in, and clear all numbers from memory.

Automatic Shut-Off — conserves battery power by automatically turning off your calculator about 8–10 minutes after the last entry.

Grand Total Key — makes complicated calculations easier.

Square Root Key — lets you quickly compute the square root of a number.

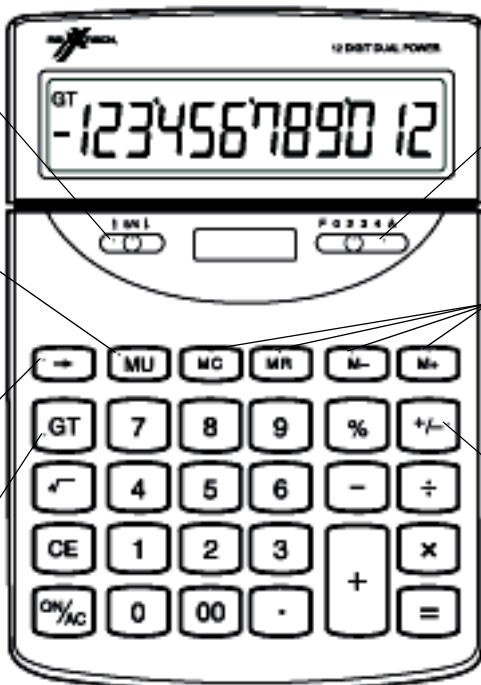
□ A Look at Your Calculator

5/4 — lets you select how calculation results are rounded (see “Rounding” on Page 5).

MU (Mark-Up) — lets you calculate selling prices and profit margins (see “Mark-Up Calculations” on Page 8).

→ — deletes the last digit entered (see “Using the Special Function Keys” on Page 4).

GT (Grand Total) — provides the sum of all memorized numbers (see “Grand Total” on Page 7).



F 0 2 3 4 A — lets you select how many digits appear after the decimal (see “Setting the Number of Decimal Places” on Page 5).

Memory Keys — let you save, add to, and subtract from numbers in memory (see “Memory Calculations” on Page 8).

+/- — lets you change a number to positive or negative (see “Using the Special Function Keys” on Page 4).

Operation

TURNING ON THE CALCULATOR

Press **ON/AC** to turn on the calculator. The calculator automatically turns off after about 9 minutes if you do not press any key.

Note: The calculator clears all previous entries when it turns off.

USING THE SPECIAL FUNCTION KEYS

Press **+/-** to change the displayed number from positive to negative or from negative to positive.

Press **▶** to delete the last digit entered (for example, when you press the wrong number key).

Press **00** to enter two zeros at once.

CLEARING ENTRIES

To clear an incorrect entry and continue the current calculation, press **CE** once (**0.** appears), then enter the correct value and continue your calculation.

To clear the display and begin a new calculation, press **ON/AC** (**0.** appears), then begin the new calculation.

To clear an incorrect operator key (**+**, **-**, **×**, **÷**) entry during a calculation, simply press the correct operator key and continue your calculation.

ROUNDING

▲ 5/4 ▼ determines how the calculator rounds numbers to the right of a decimal point (depending on the **F 0 2 3 4 A** setting — see “Setting the Number of Decimal Places”).

▲ rounds off the rightmost digit of the calculation result to the next highest number.

5/4 rounds off the rightmost digit of a calculation result to the next highest number if the next digit is 5 or more. Rounds off to the next lowest number if the next digit is 4 or less.

▼ rounds off the rightmost digit of the calculation result to the next lowest number.

SETTING THE NUMBER OF DECIMAL PLACES

F 0 2 3 4 A lets you set how many numbers appear to the right of the decimal point in the displayed result.

With the switch set to **A**, the calculator automatically inserts a decimal point

before the last two digits (for financial calculations).

With the switch set to **0**, **2**, **3**, or **4**, the display shows the selected number of digits to the right of the decimal point.

With the switch set to **F** (full display), the display shows as many numbers to the right of the decimal point as possible.

For example (with $\blacktriangle 5/4 \blacktriangledown$ set to \blacktriangledown), when you divide 22 by 7:

With the Switch Set to	You See
F	3.14285714285
2	3.14
3	3.142
4	3.1428
A	3.14

CALCULATION ERRORS

E (error) appears on the display when:

- A calculation result exceeds 12 digits (this is an overflow error — see “Estimating Calculation Results”).
- A memory calculation exceeds 12 digits.

- You attempt to divide by 0.
- You attempt to calculate the square root of a negative number.

If an overflow error occurs, **E** appears. To clear **E** from the display (without deleting numbers from memory), press **CE**.

If the error occurs in a memory calculation, **M** (memory) flashes and **E** appears. To clear **E** from the display, press **ON/AC**. This also clears the memory.

To clear an error caused by trying to calculate the square root of a negative number or by trying to divide by 0, press **ON/AC**. This also clears the memory.

Estimating Calculation Results

If your calculation results in an overflow error, you can estimate the approximate result by following these steps.

1. Count the number of digits displayed 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 **E 923.476988618.** appears, the approximate answer is 923,476,988,618,000. If **E 31.9703468367** appears, the approximate answer is 31,970,346,836,700.

CALCULATION EXAMPLES

You perform basic calculations (addition, subtraction, multiplication, and division) with this calculator as you would with most other algebraic calculators. The following sections include examples of more advanced calculations.

Note: For the calculation examples, **F 0 2 3 4 A** is set to **F** and the **▲ 5/4 ▼** switch is set to **5/4**.

Square Root

Example: What is the square root of 64?

You Press	You See
64 √	8

Percent

Example: What is 6% of 48?

You Press	You See
48 × 6%	2.88

Grand Total

GT (grand total) lets you perform cash register calculations simply and quickly. Every time you press **=**, the displayed number is memorized and **GT** appears. Press **GT** to display the sum of all memorized numbers. Press **GT** again to clear **GT** from the display, or press **ON/AC** to clear the display.

Example 1: Calculate $A + B + C$ where:

$$A = 6 \times 7$$

$$B = 5 + 4$$

$$C = 22 - 5$$

You Press	You See
6 × 7 =	GT 42.
5 + 4 =	GT 9.
22 - 5 =	GT 17.
GT	GT 68.

Example 2: Calculate the total price and tax for the following.

Nine items at \$5.49 each.

Five items at \$3.29 each.

Four items at \$1.99 each.

Add 6% sales tax and display the total amount.

You Press	You See
$5.49 \times 9 =$	GT 49.41
$3.29 \times 5 =$	GT 16.45
$1.99 \times 4 =$	GT 7.96
GT	GT 73.82
+ 6%	GT 78.2492

Note: When you press %, the result is calculated and GT appears.

Memory Calculations

The memory calculation feature lets you easily do multi-step calculations.

To add a value to memory, enter the desired number or calculation, then press **M+**. **M** appears.

To subtract from a value in memory, enter the desired number or calculation, then press **M-**. **M** appears.

To recall a value from memory, press **MR**.

To clear the memory, press **MC**. **M** disappears.

Example: $(53 + 6) + (23 - 8) + (56 \times 2) + (99 \div 4) = 210.75$

You Press	You See
$53 + 6$ M+	M 59.
$23 - 8$ M+	M 15.
56×2 M+	M 112.
$99 \div 4$ M+	M 24.75
MR	M 210.75
MC	210.75

Example:

$$\frac{2392 + 576}{786 - 432} - 73 = -64.6158192091$$

You Press	You See
$786 - 432$ M+	M 354.
$2392 + 576 \div$	M 2'968.
MR	M 354.
$- 73 =$	GT M - 64.6158192091

Mark-Up Calculations

MU (mark-up) lets you calculate an item's selling price based on the cost and the desired gross profit margin, and also lets you calculate the gross profit margin based on the cost and sales price.

The Gross Profit Margin (GPM) is the percentage of the sales price that is profit.

$$\frac{\text{Price} - \text{Cost}}{\text{Price}} \times 100 = \text{GPM}$$

Example 1: What is the original cost of an item selling for \$200 with a gross profit margin of 33%? What is the profit?

You Press	You See
200 M+ × 33 +/- MU	M 134
M-	M 134
MR	M 66.

Example 2: What is the gross profit margin of an item costing \$100 that sells for \$150? What is the profit?

You Press	You See
100 M+ - 150 MU	M - 33.3333333333
150 M-	M 150
MR	M -50.

Note: Disregard the minus (-) signs and read the gross profit margin as 33.3333333333% and the profit as \$50.

You can also easily calculate an item's discounted selling price, an

item's final price with sales tax, and the profit.

Example 3: What is the final price of an item costing \$70 with 5% sales tax? How much is the sales tax?

You Press	You See
70 × 5 MU	73.5
- 70 =	GT 3.5

Example 4: What is the final price of an item selling for \$70 marked down 25%? How much is the discount?

You Press	You See
70 × 25 +/- MU	52.5
- 70 =	GT -17.5

Note: Disregard the minus (-) sign and read the discount as \$17.5.

Example 5: Calculate the selling price of an item costing \$100 with a 50% gross profit margin. What is the profit?

You Press	You See
100 ÷ 50 MU	200
- 100 =	GT 100

Note: You cannot use the **MU** function when **F 0 2 3 4 A** is switched to **A**,

CONSTANTS

When adding, subtracting, or dividing, the last operation and number you enter are held in memory as the constant function, allowing easy calculations with repetitive numbers. Each time you press =, the calculator performs the constant function and displays the results.

Example 1:

$$5 + 6 = 11$$

You Press	You See
$4 + 6 =$	GT 10.
$5 =$	GT 11.

(+6 is the constant)

Example 2:

$$14 - 7 = 7$$

You Press	You See
$20 - 7 =$	GT 13.
$14 =$	GT 7.

(-7 is the constant)

Example 3:

$$14 \div 7 = 2$$

You Press	You See
$21 \div 7 =$	GT 3.
$14 =$	GT 2.

($\div 7$ is the constant)

When multiplying, the first operation and number you enter are the constant function. For example:

$$4 \times 5 = 20$$

You Press	You See
$4 \times 6 =$	GT 24.
$5 =$	GT 20.

($4 \times$ is the constant)

Care

Your Nexxtech 12-Digit Dual Power Metal Top Desk Calculator is an example of superior design and craftsmanship. The following suggestions will help you care for your calculator so you can enjoy it for years.

- Keep the calculator dry. If it gets wet, wipe it dry immediately. Liquids might contain minerals that can corrode the electronic circuits.
- Use and store the calculator only in normal temperature environments. Temperature extremes can shorten the life of electronic devices, damage the battery, and distort or melt plastic parts.
- Keep the calculator away from dust and dirt, which can cause premature wear of parts.
- Handle the calculator gently and carefully. Dropping it can damage circuit boards and cases and can cause the calculator to work improperly.
- Use only a fresh battery of the required size and type. Batteries can leak chemicals that damage your calculator's electronic parts.
- Wipe the calculator with a damp cloth occasionally to keep it looking new. Do not use harsh chem-

icals, cleaning solvents, or strong detergents to clean the calculator.

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

REPLACING THE BATTERY

Although your calculator is solar powered most of the time, the supplied back-up battery might eventually weaken and need replacing. If the display speed slows down in low light, replace the 389A battery. For the best performance and longest life, we recommend alkaline batteries.

Warnings:

- Keep button-cell batteries away from children. Swallowing a button-cell battery can be fatal.
- Dispose of an old battery promptly and properly. Do not burn or bury it.

Caution: Use only a fresh battery of the required size and recommended type.

1. Use a Phillips screwdriver to remove the two screws on the back of the calculator, then pull apart the front and back case halves.
2. Slide the battery toward the open end of the holder to remove it.
3. Insert the new battery with the positive (+) side facing up.
4. Snap the case halves back together.
5. Reinsert and tighten the screws.

If you do not plan to use the calculator for a long period of time, remove the battery. Batteries can leak chemicals that can destroy electronic parts.

Specifications

Operating Temperature	32° to 109°F (0° to 43°C)
Power Supply	Solar Panel and One 389A Button Cell
Dimensions (HWD).....	7 15/16 x 5 7/8 x 1 in (201 x 150 x 26mm)
Weight (with Battery)	8.1 oz (230g)

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



LIMITED WARRANTY

Who is Providing This Warranty?

- Orbyx Electronics, LLC ("Orbyx"), as the distributor of this Nextech product (your "Product").

What Does This Warranty Cover?

- This warranty covers defects in materials or workmanship in your Product under normal use and conditions.

What is the Period of Coverage?

- This warranty covers your Product for 12 months from the original purchase date.

Who Is Covered?

- This warranty covers the original consumer purchaser. Coverage terminates if you sell or otherwise transfer your Product.

What Will We Do To Correct Problems?

- We will repair your Product or replace your Product with a new or reconditioned equivalent product, at our option.

How Do You Get Service?

- Call Orbyx TOLL FREE at 1-866-363-3059 for instructions for obtaining warranty service from Orbyx's authorized service providers.
- Or, return your Product directly to the retail store from which you purchased the Product.
- When you obtain service for your Product, you must provide a purchase receipt (or other proof of the original purchase date) and a description of the defect(s).

What Does This Warranty Not Cover?

- This warranty DOES NOT COVER:
 - damage due to misuse, abuse, alteration, unauthorized repair, or accident (such as improper electrical current);
 - damage due to "acts of God" (such as lightning) or other contingencies beyond our control;
 - cosmetic damage;
 - externally generated static, signal reception or antenna problems not caused by your Product, or batteries.
- This warranty also DOES NOT COVER, and in no case will we be liable for, any incidental damages (such as transportation costs to and from an authorized service provider, or loss of time) or consequential damages (such as costs of repairing or replacing other property which is damaged, including tapes, discs, speakers not included with your Product or other accessories, or external electrical systems) resulting from the use of your Product. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.
- Defacing the serial number, or using your Product for commercial or institutional purposes, voids this warranty.

Are There Other Warranties?

- There are no express warranties other than those expressed herein. Neither the sales personnel nor any other person is authorized to make any other warranties or to extend the duration of any warranties.
- ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY (AN UNWRITTEN WARRANTY THAT A PRODUCT IS FIT FOR ORDINARY USE), ARE LIMITED TO 90 DAYS. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

How Does State Law Apply?

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



LIMITED WARRANTY

ORBYX ELECTRONICS WARRANTY

ORBYX Electronics warrants that this product will be free from defects in materials and workmanship for a period of one (1) year from the date of purchase. Within this period, simply take the product and your proof of purchase to any ORBYX Electronics store or dealer and the product will be repaired without charge for parts and labour. ORBYX Electronics reserves the right to charge for transportation. Any product which has been subject to misuse or accidental damage is excluded from this warranty.

This warranty is only applicable to a product purchased through ORBYX Electronics' company owned stores and dealers and to a product that is presented for repair in a country where ORBYX Electronics offers the product for sale. While this warranty does not confer any legal rights other than those set out above, you may have additional statutory rights which will vary under the laws of the various countries, states, province and other governmental entities in which ORBYX Electronics operates. This warranty is subject to all statutory rights you may have in the country of purchase.

Distributed exclusively in the U.S. by
Orbyx Electronics, LLC
501 South Cheryl Lane,
Walnut, CA 91789

Imported in Canada for/Importé au Canada pour
Orbyx Electronics,
Concord, Canada, L4K 4M3

Manufactured in China

For parts, service, and general inquiries please call 1-866-363-3059 or visit us on the web at www.orbyxelectronics.com



Limited Warranty/Garantie Limitée
U.S.A & Canada

© 2004 ORBYX Electronics. All Rights Reserved.

