Texas Instruments TI-30X Pro MathPrint

User Manual

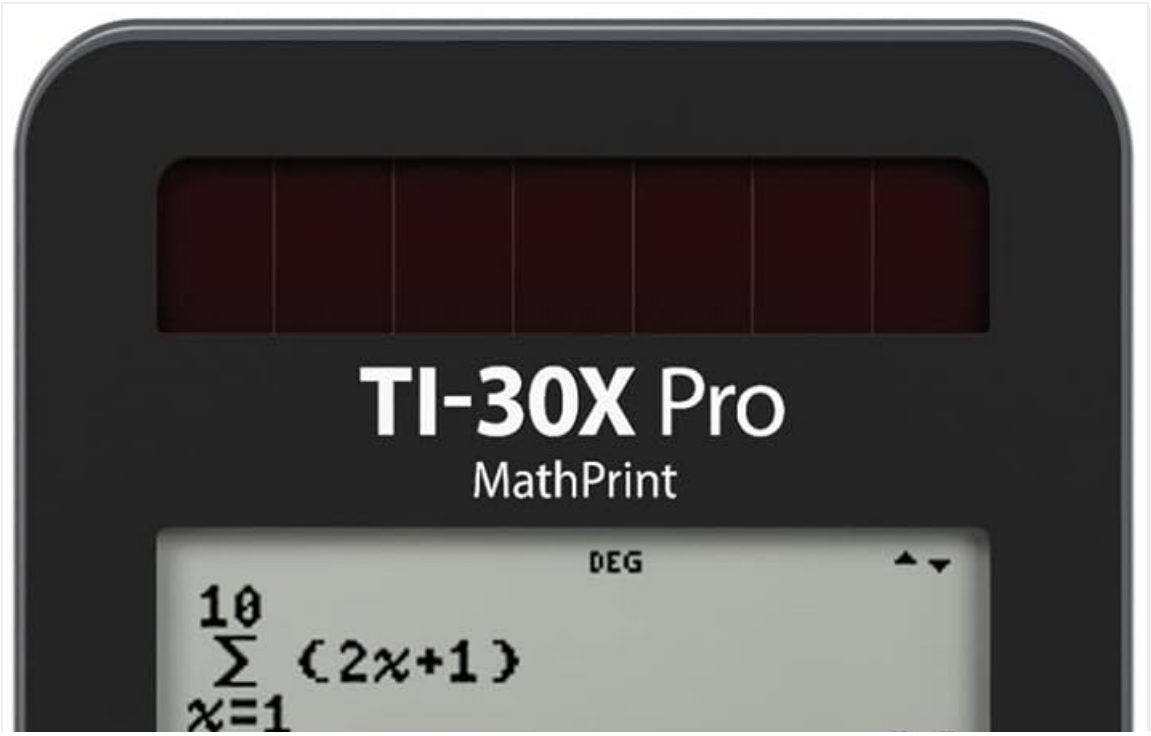
TI-30X Pro MathPrint School Calculator

Texas Instruments

Introduction

The Texas Instruments TI-30X Pro MathPrint is a powerful scientific calculator designed for secondary education and college-level mathematics. It features a high-resolution display that enhances readability and allows for the display of complex mathematical expressions as they appear in textbooks.

This calculator offers a wide range of functions, including advanced statistical analysis, numerical equation solving, polynomial and linear equation systems, and vector and matrix calculations. Its intuitive design and comprehensive features make it an essential tool for students and professionals alike.





The TI-30X Pro MathPrint calculator features a high-resolution display and a clear, intuitive keyboard layout.

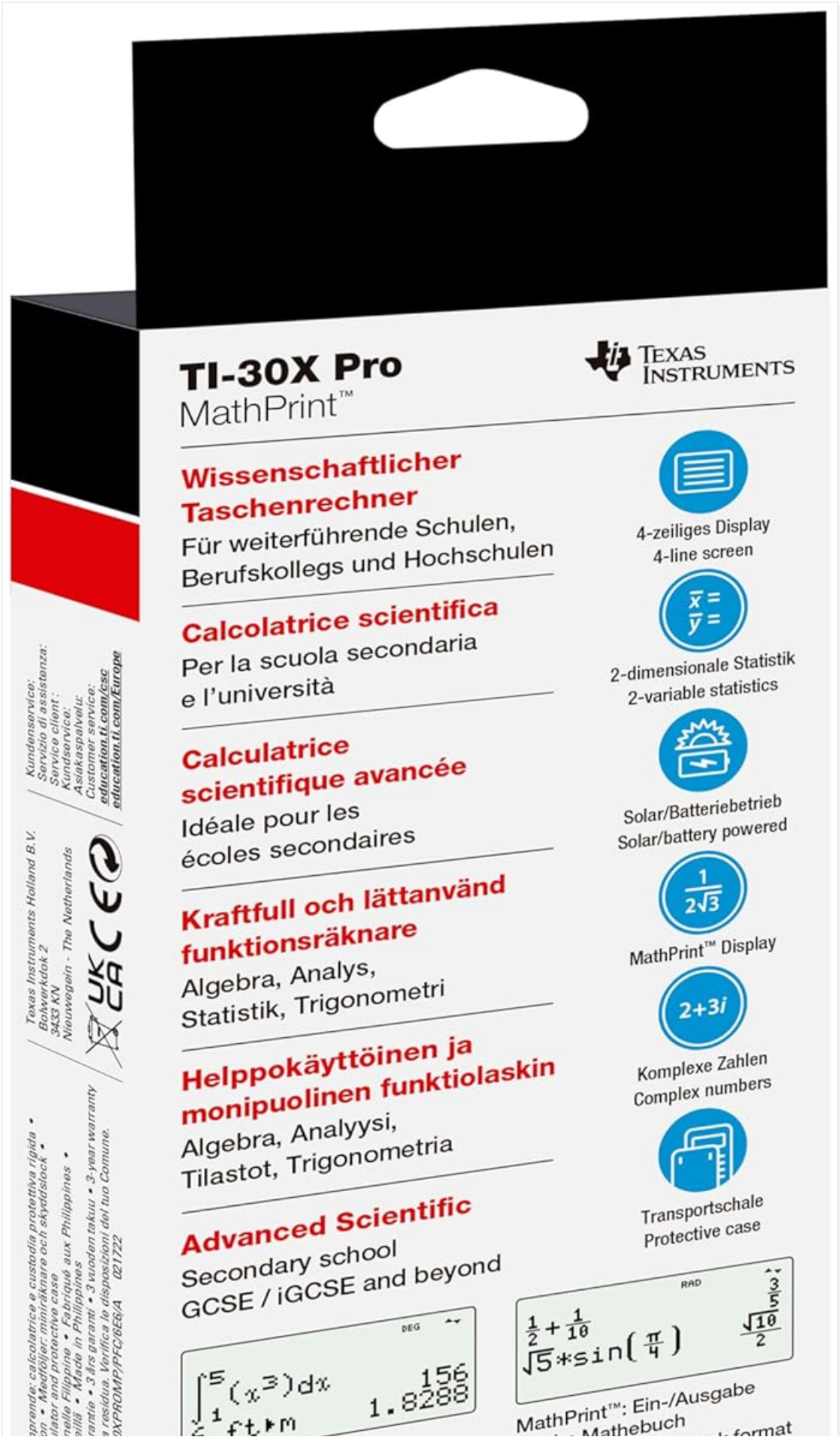
Setup

Battery Installation

The TI-30X Pro MathPrint calculator is powered by both solar energy and two Lithium Metal batteries (included). While the solar panel provides power in well-lit environments, batteries ensure consistent operation in all conditions.

1. Locate the battery compartment cover on the back of the calculator.

2. Carefully slide or unscrew the cover to open the compartment.
3. Insert the two Lithium Metal batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Replace the battery compartment cover securely.





The back of the calculator includes the battery compartment and essential product information.

Initial Power On

Press the **ON** button located at the bottom left of the keypad to turn on the calculator. The display should illuminate and show the home screen.

Basic Settings

Upon first use, or after a reset, you may need to configure basic settings. Access the **MODE** menu to select options such as:

- **Angle Unit:** Choose between Degree (DEG) or Radian (RAD).
- **Number Format:** Select Floating Point or Fixed decimal places.
- **Display Format:** Switch between Classic and MathPrint display modes.

Operating Instructions

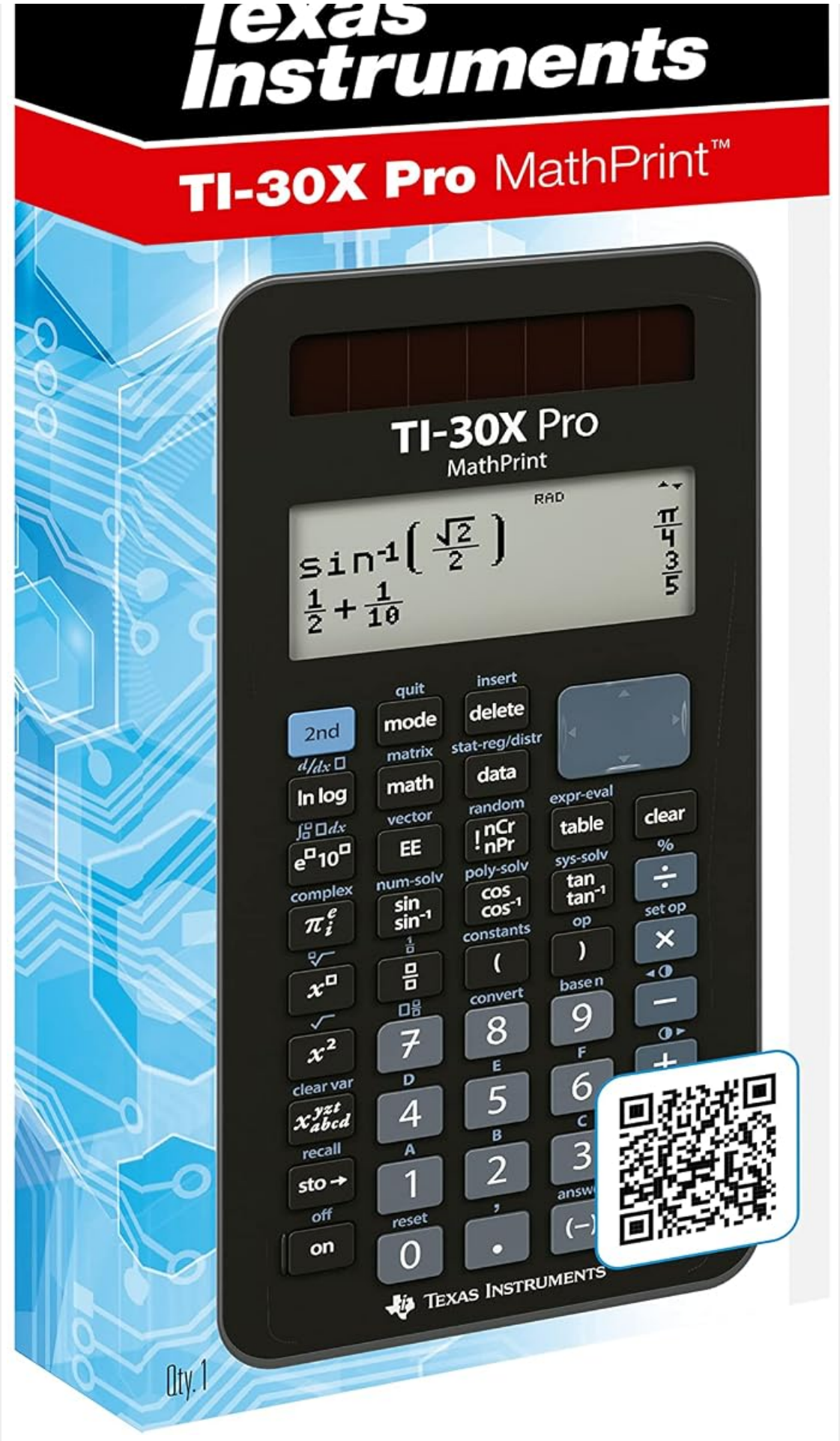
Basic Arithmetic Operations

Perform standard calculations using the numeric keypad and operation keys (**+**, **-**, **x**, /). Press **ENTER** to execute the calculation.

MathPrint Display

The MathPrint feature allows you to input and view mathematical expressions, symbols, and fractions exactly as they appear in textbooks. This enhances understanding and reduces input errors.





The MathPrint display allows for natural input and output of mathematical expressions.

Advanced Functions

- **Numerical Solver:** Solve numerical equations, polynomials, and systems of linear equations using the **num-solv** or **sys-solv** functions.
- **Statistics:** Perform statistical analysis with one or two variables. Access this mode via the **stat-reg**/**distr** key. The calculator supports a wide range of regression models, including natural exponential functions.
- **Calculus:** Determine numerical derivatives and integrals for real-world functions. Look for the **d**/**dx** and integral symbols on the keypad.
- **Vectors and Matrices:** Perform vector and matrix calculations from a dedicated input window. Use the **vector** and **matrix** keys.
- **Value Tables:** Explore a table of values (x, y) for any defined function, either automatically or by entering specific x values. Use the **table** function.
- **Conversions and Constants:** Access metric conversions and physical constants using the **convert** and **constants** keys.

Memory Functions

The calculator features constant memory, ensuring that no input is lost even when the device is turned off. Use the **STO->** and **recall** keys to store and retrieve values.

Maintenance

Cleaning

To clean the calculator, use a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water. Avoid using harsh chemicals, abrasive cleaners, or excessive moisture, as these can damage the display or internal components.

Battery Replacement

When the display dims or the calculator behaves erratically, it may be time to replace the batteries. Refer to the "Battery Installation" section under Setup for detailed instructions. Always use two new Lithium Metal batteries for optimal performance.

Storage

Store the calculator in a cool, dry place away from direct sunlight and extreme temperatures. If storing for an extended period, it is recommended to remove the batteries to prevent leakage.

Troubleshooting

Problem	Possible Cause	Solution
Calculator does not turn on.	Low or dead batteries; insufficient light for solar power.	Replace batteries. Ensure adequate lighting for the solar panel.
Display is dim or blank.	Low battery power.	Replace batteries.
Incorrect calculation results.	Incorrect mode setting (e.g., Degree/Radian); syntax error in input.	Check and adjust mode settings via the **MODE** key. Review input for errors. Perform a reset if necessary.
Calculator freezes or becomes unresponsive.	Temporary software glitch.	Press the **RESET** button (usually a small hole on the back, requiring a paperclip). This will clear all memory.

If problems persist after attempting these solutions, please contact Texas Instruments customer support.

Specifications

- **Model:** TI-30X Pro MathPrint
- **Display Type:** High-resolution LCD, 4-line display
- **Power Source:** Solar and Battery (2 x Lithium Metal batteries included)
- **Dimensions:** 18.4 x 8 x 1.6 cm (7.24 x 3.15 x 0.63 inches)
- **Weight:** 130 g (0.29 lbs)
- **Material:** Plastic
- **Key Features:** MathPrint input/output, Statistics (1 & 2 variables), Numerical Solver, Calculus (Derivatives & Integrals), Vector & Matrix calculations, Value Tables, Metric Conversions, Physical Constants.

Warranty and Support

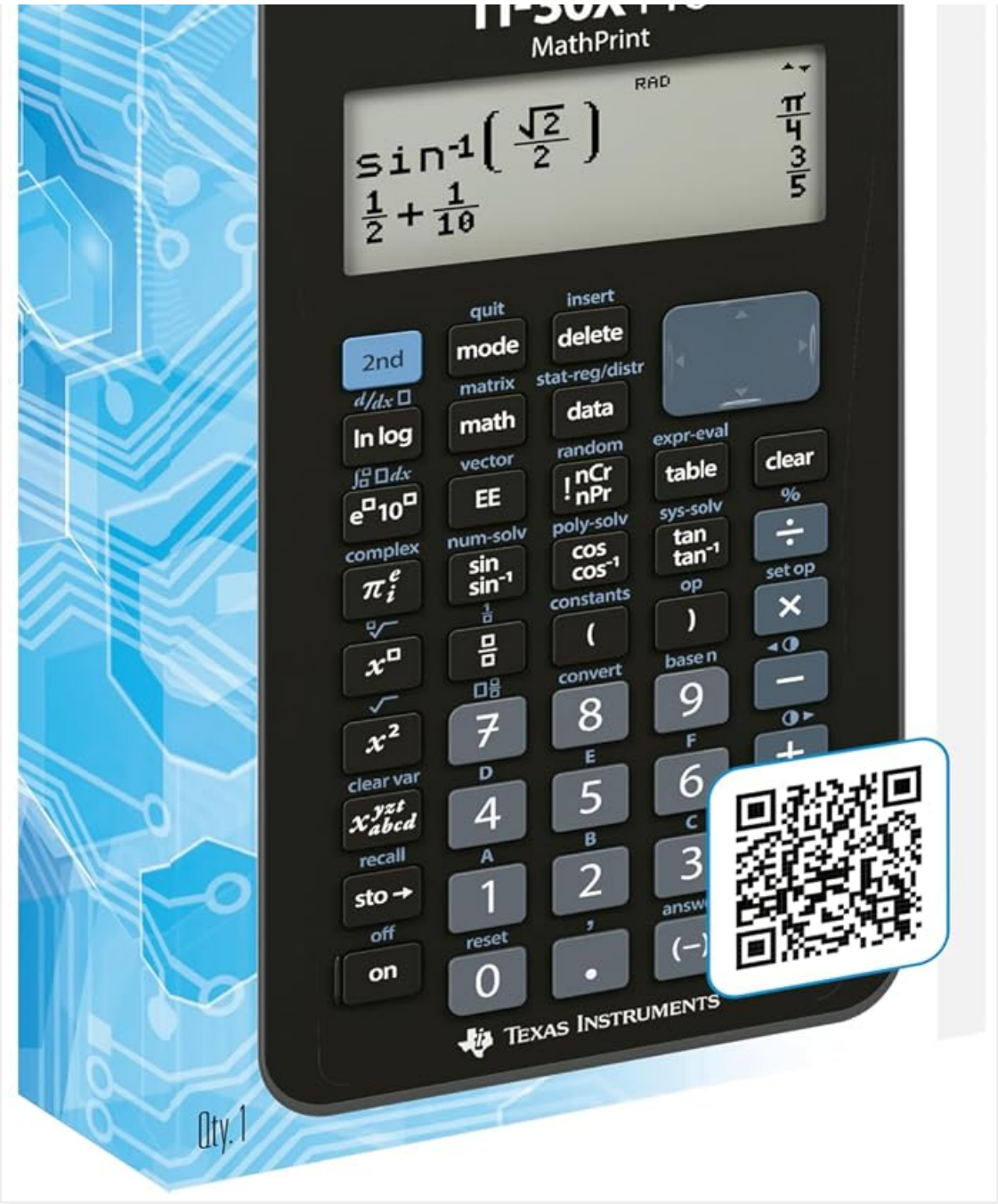
Texas Instruments products are manufactured to high-quality standards. For detailed warranty information and terms, please refer to the official Texas Instruments website or the documentation included with your product.

For technical support, frequently asked questions, and additional resources, please visit the official Texas Instruments education support portal:

Texas Instruments Education Support

You may also find helpful information by scanning the QR code found on the product packaging or the back of the calculator.





The product packaging includes a QR code for quick access to support resources.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question