

Hewlett Packard HP48G

HP 48G Graphing Calculator User Manual

Model: HP48G | Brand: Hewlett Packard

INTRODUCTION

The HP 48G is a powerful graphing calculator designed for advanced mathematical, scientific, and engineering applications. It features robust functions including 3D graphing capabilities, an extensive equation library, and support for Reverse Polish Notation (RPN). This manual provides essential information for setting up, operating, and maintaining your HP 48G calculator.

SETUP

Battery Installation

The HP 48G calculator requires three LR44 batteries for operation.

1. Locate the battery compartment on the back of the calculator.
2. Carefully open the battery compartment cover.
3. Insert three new LR44 batteries, ensuring correct polarity (+/-) as indicated inside the compartment.
4. Close the battery compartment cover securely.

Initial Power On

Press the **ON** button located at the bottom left of the keypad to power on the calculator. If the calculator does not turn on, verify battery installation.



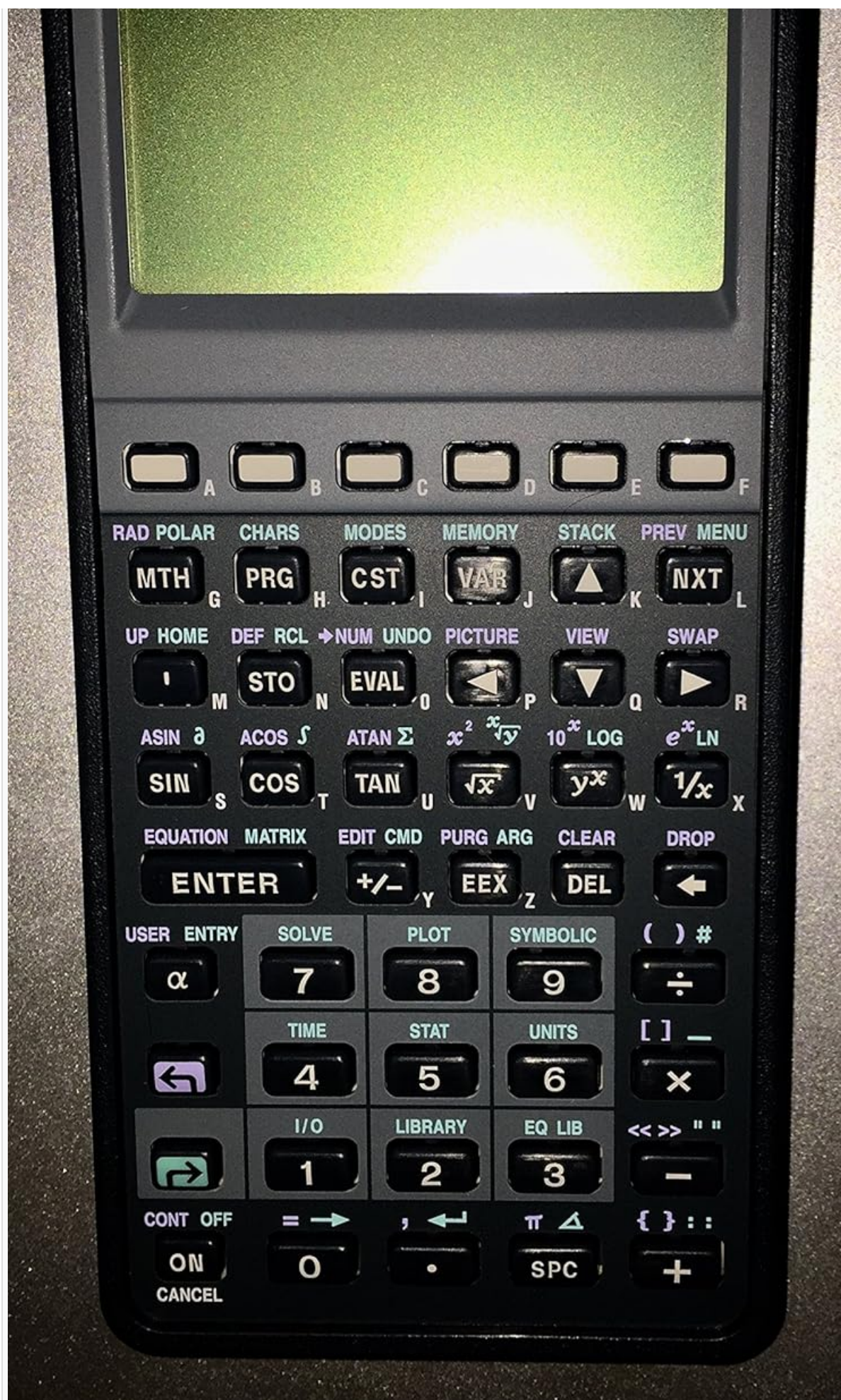


Image: Front view of the HP 48G Graphing Calculator, showing the display and keypad. This image illustrates the general layout of the device.

OPERATING INSTRUCTIONS

The HP 48G utilizes Reverse Polish Notation (RPN) for calculations, which involves entering numbers first, then the operation.

Basic Operations

- **Entering Numbers:** Type the digits using the numeric keypad.
- **ENTER Key:** Press **ENTER** to place a number on the stack.
- **Arithmetic Operations:** After entering numbers, press the desired operation key (e.g., $+$, $-$, $*$, $/$).

Graphing Functions

The calculator supports 2D and 3D graphing.

1. Access the graphing menu by pressing the appropriate key (e.g., **PLOT**).
2. Define your function(s) using the equation editor.
3. Adjust plot settings such as view window and scale.
4. Execute the plot command to display the graph.

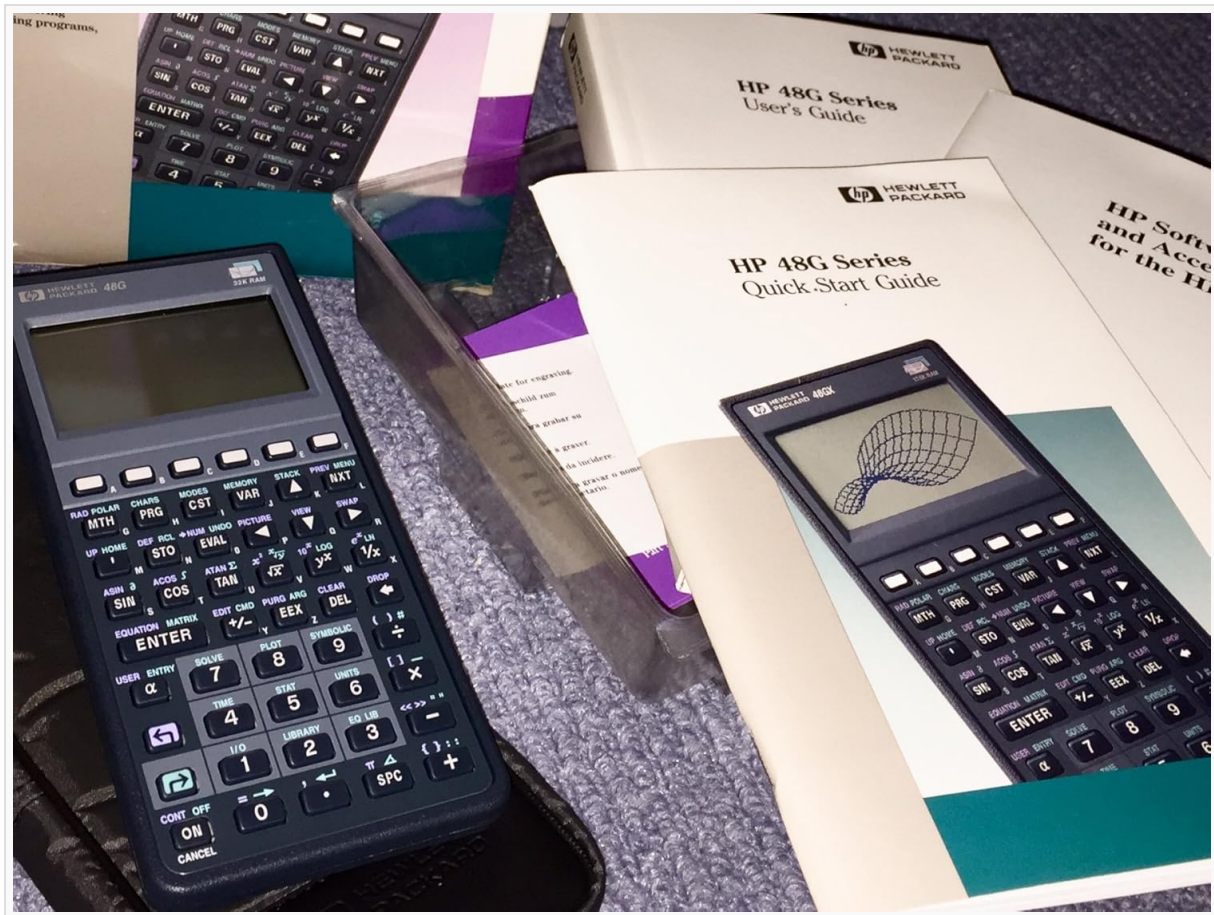


Image: The HP 48G Graphing Calculator displayed alongside its user manuals, illustrating the complete product package.

Equation Library and Solvers

The HP 48G includes a built-in equation library and powerful solvers to assist with complex calculations.

- To access the equation library, press the **EQ LIB** key.
- Select the desired equation and input known variables to solve for unknowns.

MAINTENANCE

Cleaning

To clean the calculator, use a soft, dry cloth. For stubborn marks, slightly dampen the cloth with water. Avoid using harsh chemicals or abrasive materials.

Storage

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

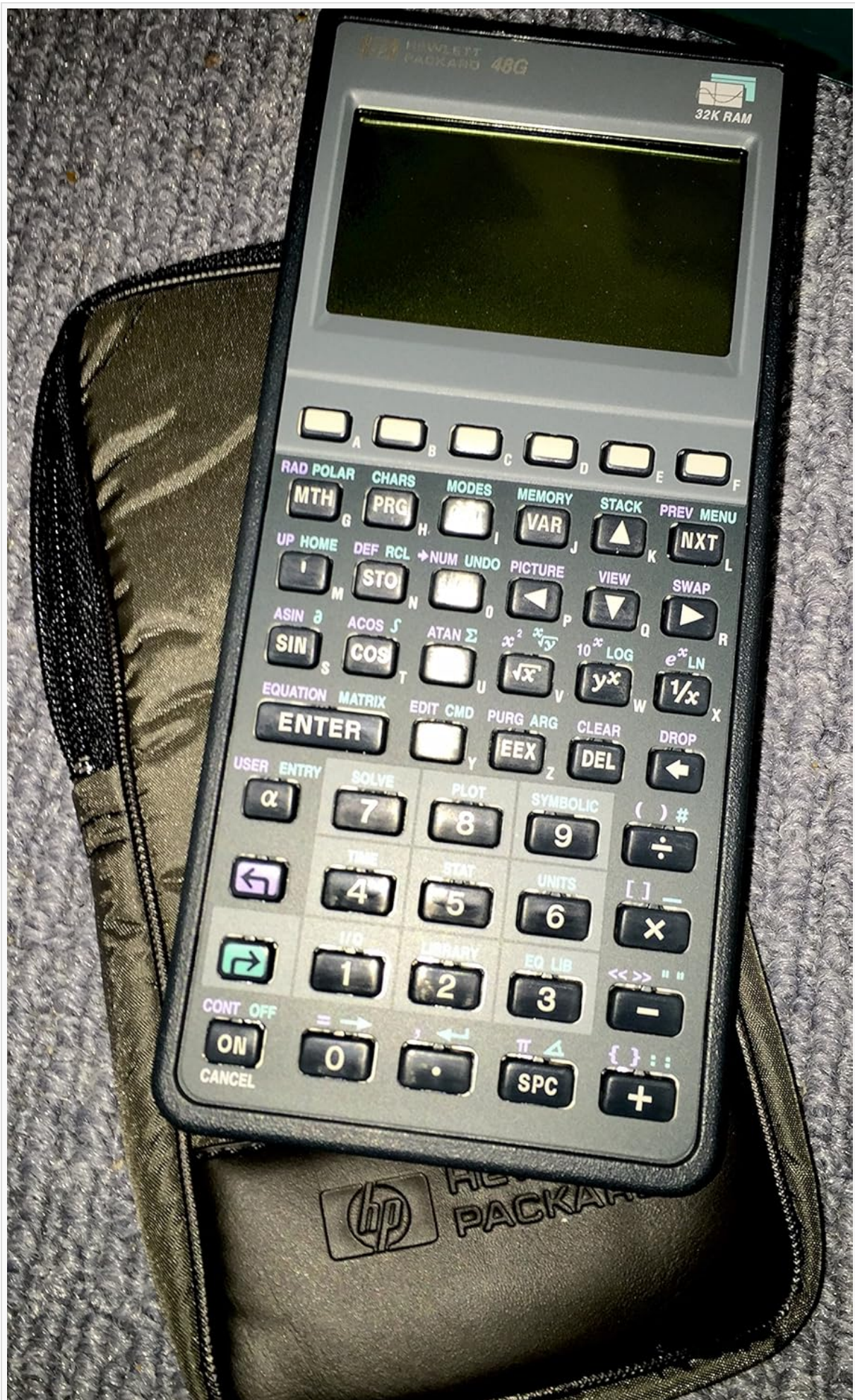


Image: The HP 48G Graphing Calculator resting in its protective soft case, demonstrating proper storage.

TROUBLESHOOTING

Calculator Does Not Power On

- **Check Batteries:** Ensure batteries are correctly installed and have sufficient charge. Replace if necessary.
- **Battery Contacts:** Verify that battery contacts are clean and free from corrosion.

Display Issues

- **Contrast Adjustment:** Adjust the display contrast using the appropriate key combination (refer to the Quick Start Guide for specific instructions).
- **Screen Blank:** If the screen is completely blank, try a soft reset (consult the full user manual for reset procedures, as this may clear memory).



Image: A close-up of the HP 48G Graphing Calculator's display, showing text and numerical output. This image is relevant for troubleshooting display issues.

SPECIFICATIONS

Feature	Detail
Product Dimensions	7.1 x 3.2 x 1.15 inches
Item Weight	12.8 ounces
Item Model Number	HP48G
Batteries	3 LR44 batteries required
Brand	Hewlett Packard

Feature	Detail
Calculator Type	Engineering/Scientific, Graphing
Power Source	Battery Powered
Screen Size	2.85 Inches
RAM	32 KB
Equation Library	Built-in
Formulas/Scientific Constants	300+

ADDITIONAL RESOURCES

For more detailed information and advanced functions, please refer to the official HP 48G Series User's Guide. A PDF version may be available online.



HP 48G Series User's Guide

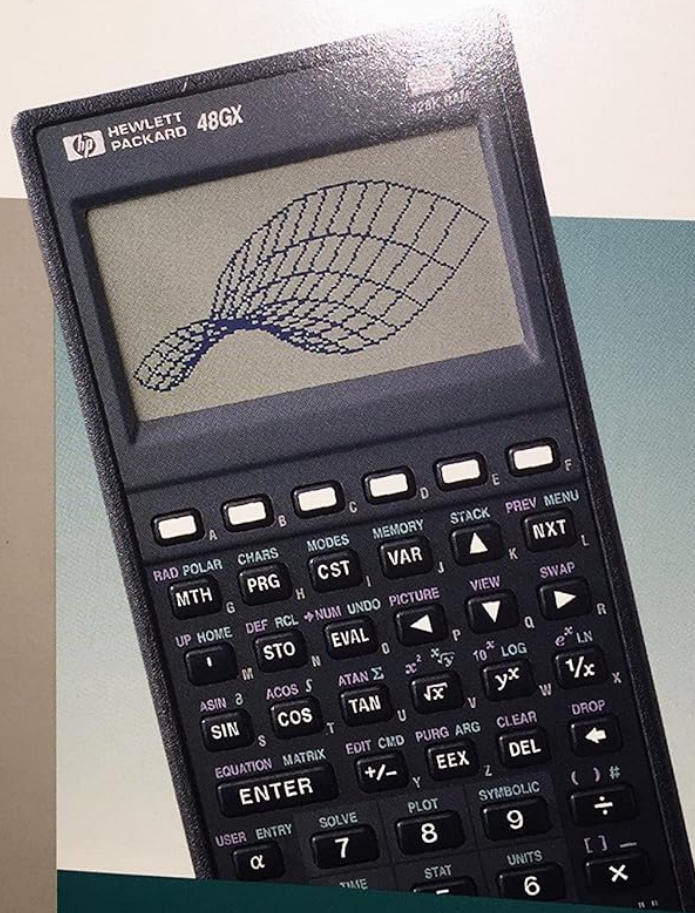
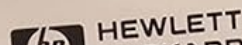


Image: The cover of the HP 48G Series User's Guide, indicating where users can find comprehensive documentation. You can also find a Quick Start Guide for initial setup and basic operations.



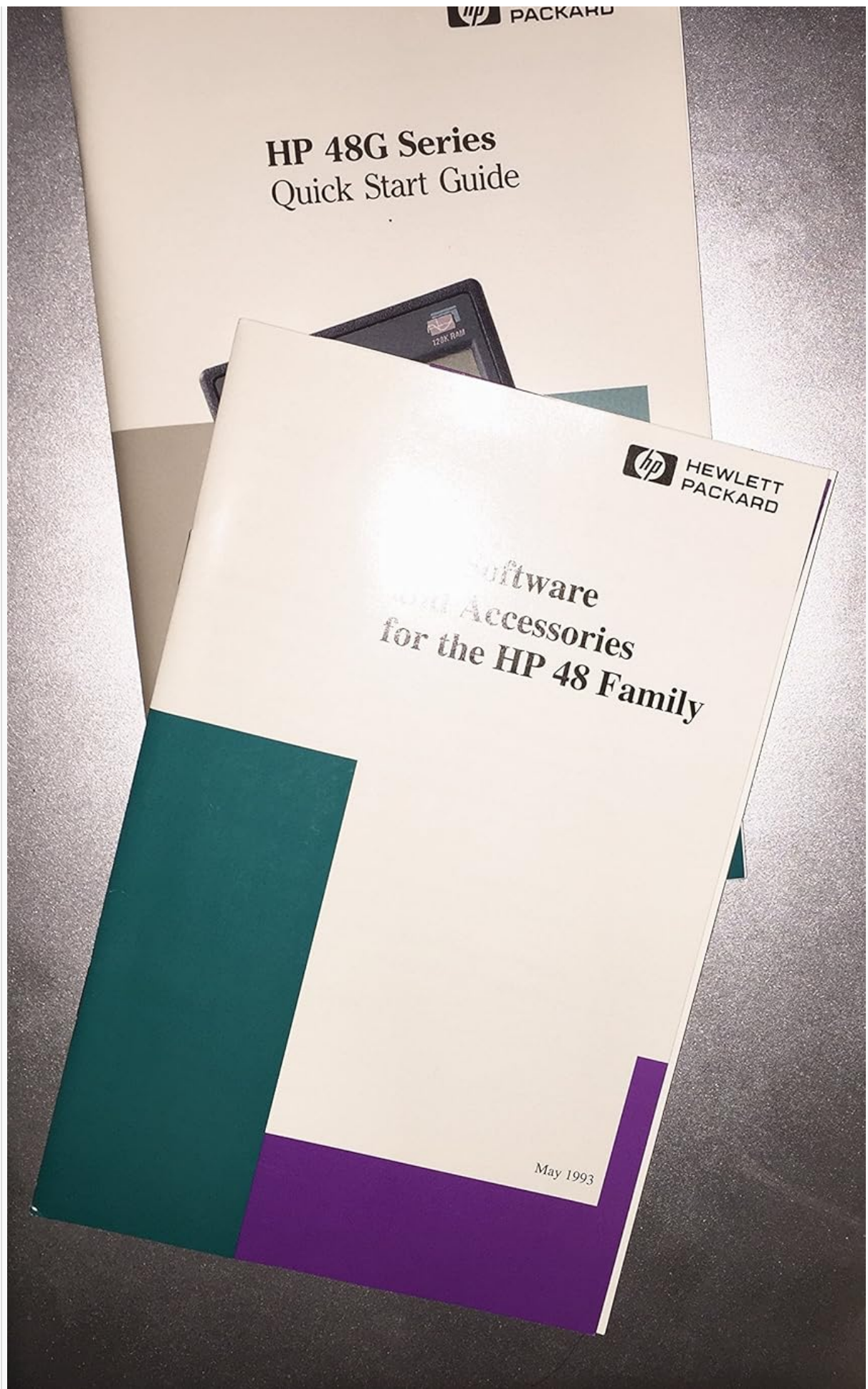


Image: The cover of the HP 48G Series Quick Start Guide, useful for rapid setup and basic function overview.

