

# HP 48gII

## Graphing Calculator



The HP 48gII gives students and professionals advanced power with 2.25MB of total memory<sup>1</sup> and a huge equation library. Plus RPN<sup>2</sup>, Textbook or algebraic entry-system logic, Computer Algebra System (CAS), and HP applications built-in.



### Advanced calculating power

Choose the way you work with RPN, Textbook or algebraic entry-system logic, and take advantage of the built-in equation library and huge constant library.

- Work your way with the choice of efficient RPN or algebraic entry-system logic
- Solve problems using over 300 equations and over 180 scientific and engineering constants and units
- Tackle the toughest equations with HP matrix writer, equation writer, and HP Solve<sup>3</sup> applications

### Tools for greater productivity

Enjoy fast calculating speeds and ample storage capacity with 2.25MB of total memory. Easily solve complex problems with tools like Computer Algebra System (CAS), structured programming for Aplet development, and 3D interactive graphing.

- Get the performance and storage capacity you need with 2.25MB of total memory (2MB Flash + 256KB RAM)<sup>1</sup>
- Perform complex arithmetic and calculus functions with advanced Computer Algebra System (CAS)
- Create custom Aplets easily using logical structured programming
- Calculate advanced expressions and view solutions in 2- or 3D graphics, plus interactive graphs

### Designed to work for you

Flexible connectivity options allow you to share data, download Aplets, and more. View data on the large, dynamic split screen display and customize key functions with the re-definable HP keypad.

- Share data with PCs and HP calculators with USB, serial and infrared ports<sup>4</sup>
- View symbols, numbers and graphs and make side-by-side comparisons on dynamic split-screen display
- Reduce keying errors and improve accuracy with unique HP click-and-rotate keys
- Improve connectivity with free USB cable and software kit

### HP quality and support

Have confidence that every time you turn on your HP calculator, every calculation you make results in dependable, worry-free performance and accurate results.

- Rely on HP quality and award-winning support—online and by phone
- Get the most from your calculator, visit [www.hp.com/calculators](http://www.hp.com/calculators) for downloads, tutorials and more

# HP 48gII

## Specifications



The HP 48gII Calculator includes all the features of the HP 39GS plus:

- RPN, Textbook or algebraic entry-system logic
- Over 2300 built-in functions
- Step-by-step problem solving mode
- HP equation writer application
- 2- and 3D graphical representation
- Re-definable keypad and menu keys
- Computer Algebra System (CAS)
- 180 built-in constants
- HP matrix writer application
- Structured programming
- Interactive graphs



|                                    |   |
|------------------------------------|---|
| <b>HP Part Number</b>              | F2226A  |
| <b>CPU</b>                         | 48Mhz ARM9  |
| <b>Display size</b>                | 131 x 64 pixels (7 lines x 33 characters + 2 lines header + 1 line of menu)   |
| <b>Display Type</b>                | LCD   |
| <b>Contrast</b>                    | Adjustable  |
| <b>Entry-system logic</b>          | RPN, Algebraic, Textbook  |
| <b>Built-in functions</b>          | 2300+   |
| <b>Menus, prompts, etc.</b>        | Yes   |
| <b>Internal precision</b>          | 15 digits (floating point), limited by memory for integers  |
| <b>Memory</b>                      | 2.25MB total (2MB Flash + 256KB RAM) <sup>1</sup>   |
| <b>Connectivity</b>                | IR Port IrDA (wireless), USB and serial ports   |
| <b>Keyboard</b>                    | Alphanumeric  |
| <b>Power</b>                       | AAA x 4 + CR2032 x 1  |
| <b>Power off memory protection</b> | user selectable, default 5 minutes  |
| <b>Weight</b>                      | 252 gm (8.89 oz)  |
| <b>Size (L x W x D)</b>            | 18.7 x 9.4 x 3.1 cm (7.4 x 3.7 x 1.2 in)  |
| <b>Beeper</b>                      | On/Off  |
| <b>Key top material</b>            | Plastic   |
| <b>What's in the box</b>           | Calculator, batteries, user manual, slide-on protective cover, USB cable, and CD with connectivity software and advanced user guide   |
| <b>Warranty</b>                    | 1-year warranty (May vary by region)  |
| <b>Subject suitability</b>         | Engineering, Computer science, Surveying, Trigonometry, Statistics, Geometry, Biology, Chemistry, Physics   |
| <b>Permitted for use on</b>        | SAT <sup>®</sup> Reasoning and SAT <sup>®</sup> Subject Tests <sup>™</sup> in Math 1 & 2, ACT, PSAT/NMSQT, AP Chemistry/Physics, AP Calculus/Statistics, PLAN, EXPLORE <sup>5</sup> |

<sup>1</sup> Flash ROM memory is for system upgrades only and is not available to the user.

<sup>2</sup> Reverse Polish Notation (RPN) is an efficient data-entry system that can significantly reduce keystrokes. More information is available at [www.hp.go.com/go/rpn](http://www.hp.go.com/go/rpn)

<sup>3</sup> HP Solve is a time-saving application that allows you to solve for any variable without rewriting your equation.

<sup>4</sup> A PC with an internet connection is required. Please purchase separately. USB cable and connectivity software is included. The IrDA port allows the HP 48gII to communicate with another HP HP 48gII, 49g+ or 50g calculator.

<sup>5</sup> ACT<sup>®</sup>, PLAN<sup>®</sup> and EXPLORE<sup>®</sup> are registered trademarks of ACT, Inc., which was not involved in the production of and does not endorse this product. For more information, go to [www.act.org](http://www.act.org). AP Calculus requires a graphing calculator. Any scientific or graphing calculator (Excludes models with QWERTY (i.e. typewriter) keyboards, electronic writing pads, and pen-input/stylus-driven devices) is permitted for the following College Board tests: AP Chemistry, AP Physics, AP Statistics (a graphing calculator with statistical capabilities is expected), PSAT/NMSQT, SAT<sup>®</sup> Reasoning and SAT<sup>®</sup> Subject Tests<sup>™</sup> in Mathematics Level 1 and Level 2. For more information, go to [www.collegeboard.com](http://www.collegeboard.com). Policies are subject to change. AP<sup>®</sup> and SAT<sup>®</sup> are registered trademarks of the College Board. PSAT/NMSQT<sup>®</sup> is a registered trademark of both the College Board and National Merit Scholarship Corporation which were not involved in the production of and do not endorse this product.

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