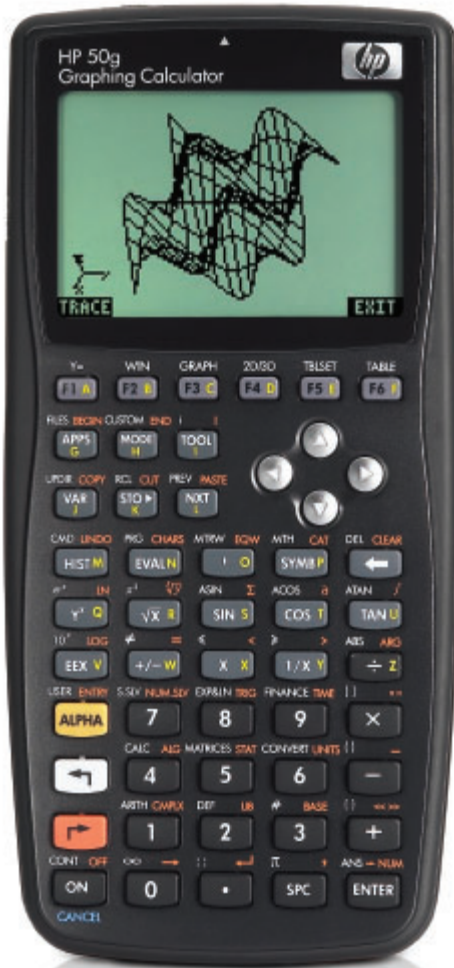


HP 50g

Graphing calculator



A new more powerful HP 50g

HP Graphing Calculators feature easy-to-use, powerful tools that students and professionals can rely on and trust for years of performance, including:

- Powerful built-in graphing functions, constants and applications
- Built-in lessons and step-by-step problem solving
- The choice of efficient RPN, Textbook or Algebraic data entry
- User-friendly Computer Algebra System (CAS)
- Expansive memory with SD card* slot
- Flexible connectivity and communication options
- Large high-contrast display with adjustable font type and size
- Award-winning HP quality and support 24/7, plus on-line tutorials and emulators

Built for performance

- New display upgrade—the new HP 50g display features a 30% increase in usable space over the HP 49g+
- New powerful SD card slot allows you to format your card right in the calculator and expand memory
- Massive 2.5 MB total memory—512 KB RAM plus 2 MB flash ROM for performing future upgrades**
- Isolate and evaluate sub-expressions using the intelligent editor—plus cut, paste and copy objects
- New larger equation library and 2300+ built-in functions—ideal for both professionals and students

The new HP 50g Graphing Calculator provides the best in power, flexibility and connectivity for math, science and engineering professionals and college students. It now features a more capable SD card slot, 2.5 MB total memory**, new RS232 and USB connectivity, and a built-in intelligent editor that gives you more capability than ever before.

HP 50g

Graphing Calculator



Operating features

- Entry Logic: Algebraic/RPN/textbook
- Menus, prompts
- Alpha messages
- Soft-keys
- Numerical precision: intermediate and internal: 15 digits, exponent: -49999 to +49999
Displayed precision: 12 digits, exponent: -499 to +499, infinite for integers (limited by memory)
- Additional applications available on Internet

Configuration

- Flash ROM for future electronic software upgrades
- RAM 512 KB + 2 MB flash ROM
- Redefinable menu keys
- Redefinable keyboard (user mode)
- Peripherals
- Supports libraries/RPL programs

Vector operations

- Rectangular/polar
- Matrix operations: Includes symbolic matrices
- Matrix editor

Graphing features

- 2-D function, polar, parametric plot
- 3-D, differential equation, bar plot
- Histogram, scatter plot
- Find: intersect, extremum, slope, area
- Zoom, trace, co-ordinates, shade

Math features

- +, -, x, ÷, √, 1/x, +/-, ln, e^x, ^x√y
- y^x, LOG, 10^x, x², %, π, n!
- Fractions
- Degrees, radians or grads mode
- Trigonometric functions/inverses
- Hyperbolic/inverses
- HP Solve application (root finder)
- Numeric integration
- Symbolic integration
- Numeric differentiation
- Symbolic differentiation
- Complex number functions
- Polynomial root finder, Taylor series
- Absolute value, round
- Integer & fractional part of a number
- Modulo function, floor, ceiling
- CAS system

Scientific features

- Decimal hr/hr min sec conversions
- Polar/rectangular conversions
- Angle conversions
- Base conversions and arithmetic
- Unit conversions
- Bit, boolean, graphics
- Display and printer graphics
- Built-in equation library

Statistical features

- $\sum x$, $\sum x^2$, $\sum y$, $\sum y^2$, $\sum xy$
- Sample standard deviation, mean
- Population standard deviation
- Linear regression
- Combinations, permutations
- Weighed mean
- Edit, save, name, list
- Curve fit (LIN, LOG, EXP, POW)
- Plot statistical data
- Hypothesis tests
- Confidence intervals

Programming features

- Root finder: HP Solve
- Number of steps/regs or bytes: 1.2 MB
- Number of programs/formulae: ++
- Levels of subroutines: ++
- Branching
- Flags: 256
- Alpha prompts in programs
- Input forms, alpha string manipulation
- Indirect addressing
- Index looping
- Alpha listing
- HP Equation library, over 300 physics equations and graphics

Electronic specifications

CPU:	75 Mhz ARM9
Display size:	131 x 80 pixels
Display type:	Pixel
Memory	RAM: 512 KB, 2 MB Flash ROM**
IR port:	IrDA (limited to 10 cm distance)
Serial port:	USB, RS232 for connections to equipment such as PCs, dataloggers, surveying equipment, etc.
Expansion port:	SD card slot*
Power supply:	AAA x 4 + CR2032

Material specifications

Enclosure/key top material:	Plastic/plastic
Size (L x W x D):	7.24 x 3.43 x .93 in (18.4 x 8.7 x 2.35 cm)
Weight:	Approximately 220 g
Contents:	Calculator, batteries, User Manual, CD (connectivity software and Advanced User Guide), USB cable and premium pouch

SD card slot at bottom



Infrared communications



* Secure Digital (SD) card sold separately

** 377KB RAM and 780KB Flash ROM available to the user. A PC with an Internet connection is required for downloads. USB cable is included. HP makes no representation that a future upgrade will be available.

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