

hp 48gII

graphing calculator



electronic specification

- CPU: 48Mhz ARM9
- display size: 131 × 64 pixels
- display type: pixel
- memory: 128K
- IR port: IrDA
- serial port: RS232
- power supply: AAA × 3 + CR2032
- auto power OFF: approximately 5 minutes

material specification

- material of enclosure: plastic
- material of key top: plastic
- dimensions:
184.0 × 87.0 × 23.5mm
7.2 × 3.4 × .09in
- weight: 220 grams
(7.7 ounces)



i n v e n t

operating features

- entry logic: algebraic/RPN/textbook
- menus, prompts
- alpha messages
- soft-keys
- numeric precision — intermediate/internal: 15 internal/12 display/infinite precision for integers
- displayed numerical precision: 12 digits, exponent: -499 to +499
- internal numerical precision (intermediate): 15 digit, exponent: -49999 to +49999
- additional applications available on Internet

configuration

- RAM: 128K
- 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, ÷, $\sqrt{\quad}$, $1/x$, +/-, ln, ex, $\sqrt[n]{y}$
- y^x , LOG, 10^x , x^2 , %, π , n!
- fractions
- degrees, radians, or grads mode
- trigonometric functions/ inverses
- hyperbolic/inverses
- HP Solve application (root finder)
- numeric integration
- symbolic integration (simple cases)
- numeric differentiation
- symbolic differentiation (simple cases)
- complex number functions
- polynomial root finder, Taylor series
- absolute value, round
- integer & fractional part of a number
- modulo function, floor, ceiling
- CSA system

scientific features

- decimal hrs/hrs min sec conversions
- polar/rectangular conversions
- angle conversions

- base conversions and arithmetic
- unit conversions
- nit, Boolean graphics
- display and printer graphics
- onboard library with more than 180 scientific and engineering constants and units

statistical features

- Σx , Σx^2 , Σy , Σy^2 , Σxy
- 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: 128KB
- 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

additional features

- serial port can be used to interface with a PC, and any data you collect can be analyzed on your calculator.*
- notepad
- graphing functions with interactive graphics
- IrDA port allows the hp 48gII to communicate with another hp 48gII calculator, or an hp 49g+ at high speed
- 2D/3D plotting, graphics, algebra, quadratic and polynomial features
- over 2300 built-in functions

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*A PC with an internet connection is required. Please purchase separately. Serial cable is included. The IrDA port allows the hp 48gII to communicate with another hp 48gII calculator, or an hp 49g+ at high speed.



send files
between calculator
and PC*



www.hp.com/calculators