

hp 49g+

graphing calculator



electronic specification

- CPU: 75Mhz ARM9
- display size: 131 × 80 pixels
- display type: pixel
- memory: RAM 512K plus
800K flash ROM
- IR port: IrDA
- serial port: USB
- expansion port: SD card
- 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: -4999 to +4999
- internal numerical precision (intermediate): 15 digit, exponent: -49999 to +49999
- additional applications available on Internet
- expansion port: SD card

configuration

- flash ROM allows for future electronic software upgrades*
- RAM 512KB + 800KB 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, ÷, $\sqrt{\quad}$, $1/x$, +/-, ln, e^x , $\sqrt[y]{\quad}$
- 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
- CAS system

scientific features

- decimal hrs/hrs 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

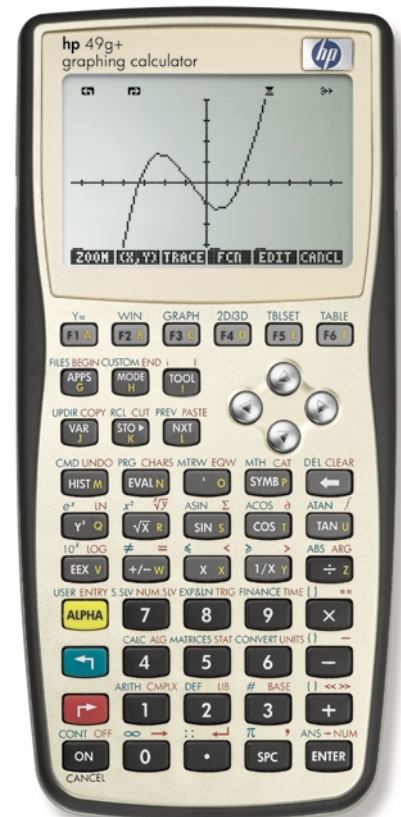
- Σx , Σx^2 , Σy , Σy^2 , Σxy
- sample standard deviation, mean
- population standard deviation
- linear regression
- combinations, permutations
- weighed mean
- edit, save, name, list
- curve fit (LIN, LOG, EXP, POW)
- plot statistical data
- hypothesis tests
- confidence intervals

programming features

- root finder: HP Solve
- number of steps/regs or bytes: 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
- built in programs/equations: over 300



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graphing calculator



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07.03

*A PC with an internet connection is required.
Please purchase separately. USB cable included.
HP makes no representation that a future upgrade will be available.

www.hp.com/calculators