

HP 48G Series and 49G Comparison Table

Features	HP 48G+	HP 48GX	HP 49G
Configuration			
Scientific Programmable Graphing Calculator	◆	◆	◆
User Memory	128KB	128KB	1.5MB
Flash ROM for future electronic software upgrades			◆
Physical Features			
Color	Emerald Green	Emerald Green	Light Metallic Blue
Carry Case	Soft, Dark Grey Pouch	Soft, Dark Grey Pouch	Slide-on Translucent Blue
High Contrast Display	❖	❖	❖
Dimensions (L x W x D)	7.1 x 3.2 x 1.15 in (18.0 x 8.1 x 2.9cm)	7.1 x 3.2 x 1.15 in (18.0 x 8.1 x 2.9cm)	7.4 x 3.5 x 1.1 in (18.7 x 8.9 x 2.8cm)
Weight (with batteries)	9 oz (264 g)	9 oz (264 g)	9 oz (264 g)
Display Size (W x H)	131 x 64 pixels	131 x 64 pixels	131 x 64 pixels
Number of Keys	49	49	51
Infrared Port for printing & unit-to-unit communication	◆	◆	
Expansion Ports for Memory and Application Software Cards		◆	
Serial (RS232) Port	Yes, 4-pin	Yes, 4-pin	Yes, 10-pin
Operating Features			
User Interface Speed			❖
Operating Modes	RPN/Textbook	RPN/Textbook	Algebraic/RPN/Textbook
Default Screen Display Modes	Algebraic only	Algebraic only	Textbook/Algebraic
Default Screen Stack / History Display	Results only	Results only	Results/Objects
Built-in Fonts	3	3	4
Downloadable Fonts			◆
Font Sizes	3	3	4
Cut / Paste / Copy Operations			◆
Manipulating & Solving Sub-expressions	◆	◆	❖
Catalogue of Functions			◆
Object Storage (Variables & Directories)	◆	◆	◆
Date & Time (including Alarm Set)	◆	◆	◆
Math Features			
Built-in, Dynamic Computer Algebra System (CAS)			◆
Mathematical Constants Library	◆	◆	◆
Factorization & Expansion	◆	◆	◆
Substitution	◆	◆	❖
Differentiation & Integration	◆	◆	❖
Differential Equations	◆	◆	❖
Solving Systems of Linear Equations	◆	◆	❖
Linear Algebra & Matrices	◆	◆	❖
Symbolic & Numeric Solve	◆	◆	❖
Step-by-step Numeric & Symbolic Solve	◆	◆	❖
Complex Arithmetic	◆	◆	❖
Exponential & Logarithmic Functions	◆	◆	◆
Taylor Polynomials	◆	◆	◆
Lists & Sequences	◆	◆	◆
Trigonometry (Trig & Hyperbolic functions, degrees, radians, gradians)	◆	◆	◆
Vector Operations (absolute magnitude, dot & cross product)	◆	◆	◆
Scientific Features			
Built-in Equation Library	◆	◆	
Physical Constants Library	◆	◆	◆
Units-of-Measure Library	◆	◆	◆
Unit Conversions	◆	◆	◆
Statistical Features			
Inferential (hypothesis tests/confidence intervals)			◆
Descriptive (lists, single variable, frequencies, regression, summary)	◆	◆	◆
Financial Features			
Time-value-of-money	◆	◆	◆
Amortization	◆	◆	◆
Customizing Features			
Additional Memory Card Options		128KB, 1MB	
Supports Third Party RPL Programs, Games & Application Software		◆	◆
Programming Languages	RPL	RPL	RPL/Assembly/HP Basic
Graphing Features			
Tables			◆
15 plot types including - Function, Parametric, Polar, Conic, Differential, Wireframe, & Statistical (Scatter, Bar & Histogram)	◆	◆	◆
2D/3D Plotting	◆	◆	◆
Function Analysis - Root, Extrema, Slope, Area, Intersection	◆	◆	◆
Tracing & Zooming	◆	◆	◆
Accessories			
Overhead Display Unit (F1212A)		◆	◆
Portable DataLab (Firmware Systems Inc.)	◆	◆	◆
PC/Mac Connectivity Kits (F1897A/F1898A)	◆	◆	◆

❖ Enhancements

Visit our Web site at www.hp.com/calculators

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