

# CFX-9970 and 49G Comparison Table

Features	CFX-9970	HP 49G
<b>Manufacturer</b>	Casio	Hewlett-Packard
<b>Description</b>		
Scientific Programmable Graphing Calculator	◆	◆
<b>Memory</b>		
User Memory	64KB	1.5MB
Flash ROM for future electronic software upgrades		◆
<b>Operating Features</b>		
Operating Modes	Algebraic/Entry Line Only	Algebraic/RPN/Textbook
Home/Default Screen Display Modes	Textbook/Algebraic	Textbook/Algebraic
Home/Default Screen History Display	Results/Objects	Results/Objects
Built-in Fonts		4
Font Sizes		4
Cut / Paste / Copy Operations		◆
Manipulating & Solving Sub-expressions		◆
Catalogue of Functions		◆
Object Storage/Archiving	◆	◆
Date & Time (including Alarm Set)		◆
Automatic Insertion of missing parentheses in Real-time		◆
Automatic Prompting / Construction of Expression Syntax		◆
<b>Math Features</b>		
Built-in Computer Algebra System (CAS)		◆
Factorization & Expansion	◆	◆
Substitution	◆	◆
Differentiation & Integration	◆	◆
Differential Equations	◆	◆
Solving Systems of Linear Equations	◆	◆
Advanced Matrix Functions: symbolic eigenvalues & eigenvectors, under/over determined linear systems, diagonalization, Hilbert, Vandermonde		◆
Taylor polynomials	◆	◆
Advanced polynomial functions (e.g. orthogonal)		◆
Symbolic & Numeric Solve	◆	◆
Step-by-step Numeric & Symbolic Solve		◆
Real & Complex Numbers	◆	◆
Advanced Complex Arithmetic		◆
Exponential & Logarithmic Functions	◆	◆
Differential Geometry Tools (gradient, laplacian, hessian, rotational, divergence).		
Lists & Sequences	◆	◆
Advanced Trigonometry with hyperbolic functions, degrees, and radians		◆
Vector Operations (absolute magnitude, dot & cross product)	◆	◆
<b>Scientific Features</b>		
Physical Constants Library		◆
Units-of-Measure Library		◆
Unit Conversions		◆
<b>Statistical Features</b>		
Inferential (hypothesis tests/confidence intervals)	◆	◆
Inferential (graphical representation of hypothesis tests & confidence intervals)		
Descriptive (lists, single variable, frequencies, regression, summary)	◆	◆
<b>Financial Features</b>		
Time-value-of-money	◆	◆
Amortization	◆	◆
<b>Graphing Features</b>		
Tables	◆	◆
2 Dimensional Plotting	◆	◆
3 Dimensional Plotting		◆
Function Analysis - Root, Extrema, Slope, Area, Intersection	◆	◆
Tracing & Zooming	◆	◆
<b>Customizing Features</b>		
Programming Languages	Casio Basic	RPN/Assembly/HP Basic
<b>Communication</b>		
Unit-to-Unit Link Cable	◆	◆
Overhead Display Unit		◆
Data-logger		◆
PC/Mac Connectivity Kits	◆	◆

# EL-9600 and 49G Comparison Table

Features	EL-9600	HP 49G
<b>Manufacturer</b>	Sharp	Hewlett-Packard
<b>Description</b>		
Scientific Programmable Graphing Calculator	◆	◆
<b>Memory</b>		
User Memory	32KB	1.5MB
Flash ROM for future electronic software upgrades		◆
<b>Operating Features</b>		
Pen input	Yes	No
Operating Modes	Algebraic/Textbook	Algebraic/RPN/Textbook
Home/Default Screen Display Modes	Textbook/Algebraic	Textbook/Algebraic
Home/Default Screen History Display	Results/Objects	Results/Objects
Built-in Fonts		4
Font Sizes		4
Cut / Paste / Copy Operations		◆
Manipulating & Solving Sub-expressions		◆
Catalogue of Functions		◆
Object Storage/Archiving	◆	◆
Date & Time (including Alarm Set)		◆
Automatic Insertion of missing parentheses in Real-time		◆
Automatic Prompting / Construction of Expression Syntax		◆
<b>Math Features</b>		
Built-in Computer Algebra System (CAS)		◆
Mathematical Constants Library		◆
Factorization & Expansion		◆
Substitution		◆
Differentiation & Integration		◆
Differential Equations		◆
Solving Systems of Linear Equations		◆
Advanced Matrix Functions: symbolic eigenvalues & eigenvectors, under/over determined linear systems, diagonalization, Hilbert, Vandermonde		◆
Taylor polynomials		◆
Advanced polynomial functions (e.g. orthogonal)		◆
Symbolic & Numeric Solve	◆	◆
Step-by-step Numeric & Symbolic Solve		◆
Real & Complex Numbers	◆	◆
Advanced Complex Arithmetic		◆
Exponential & Logarithmic Functions	◆	◆
Differential Geometry Tools (gradient, laplacian, hessian, rotational, divergence).		◆
Lists & Sequences	◆	◆
Advanced Trigonometry with hyperbolic functions, degrees, and radians	◆	◆
Vector Operations (absolute magnitude, dot & cross product)		◆
<b>Scientific Features</b>		
Physical Constants Library		◆
Units-of-Measure Library		◆
Unit Conversions		◆
<b>Statistical Features</b>		
Inferential (hypothesis tests/confidence intervals)	◆	◆
Inferential (graphical representation of hypothesis tests & confidence intervals)		◆
Descriptive (lists, single variable, frequencies, regression, summary)	◆	◆
<b>Financial Features</b>		
Time-value-of-money	◆	◆
Amortization	◆	◆
<b>Graphing Features</b>		
Tables	◆	◆
2 Dimensional Plotting	◆	◆
3 Dimensional Plotting		◆
Shift/Change Function	◆	
Function Analysis - Root, Extrema, Slope, Area, Intersection	◆	◆
Tracing & Zooming	◆	◆
<b>Customizing Features</b>		
Programming Languages	Sharp Basic	RPN/Assembly/HP Basic
<b>Communication</b>		
Unit-to-Unit Link Cable	◆	◆
Overhead Display Unit	◆	◆
Data-logger	◆	◆
PC/Mac Connectivity Kits	◆	◆

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