

# The First Family

## Hewlett-Packard Calculators for Science, Business and Engineering



HEWLETT  PACKARD

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# The *First* Family from Hewlett-Packard



**HP-21**  
Scientific calculator. Single storage-register with full register arithmetic. Polar-rectangular coordinate conversion. Trig functions in degrees or radians. Log functions.



**HP-22**  
Management calculator. 5 financial keys. 10 addressable storage registers with full register arithmetic. Calculation of compound and simple interest rates, payment amount, depreciation. Ordinary annuity or annuity due. Statistical functions. Logs.



**HP-25**  
Programmable scientific calculator. 49 steps of program memory. Complete editing facilities. Key phrase programming. 8 storage registers with full register arithmetic. 8 comparative test functions. Pause instruction. GOTO instruction. Statistics. Total of 72 pre-programmed functions.

**HP-25C**  
The proven functions and dimensions of the HP-25 combined with the ability to retain both programs and stored data even after it's switched off. The HP-25C and its "Continuous Memory" is another unique "first" for Hewlett-Packard.



**HP-27**  
Universal pocket calculator for mathematical, scientific, business, financial and statistical calculations and analysis. 10 addressable storage registers. 5 addressable financial registers. 3 display modes.

**HP-19C**



**HP-29C**



**HP-19C/HP-29C**

**Continuous Memory**  
Two complimentary programmable calculators with identical features and functions. 98 fully merged lines of program memory - retained via C-MOS, 30 addressable storage registers - 16 of which are retained. Plus all the necessary aids to help you develop usable programs - Indirect, Label and Relative addressing, 10 numeric labels, 10 conditional tests including DSZ and ISZ. 3 levels of subroutines and full editing capability. All in an autonomous package that, thanks to continuous C-MOS memory, retains your programs and your data virtually permanently within the calculator. With the HP-19C you have the added benefit of a built-in quiet thermal printer for hard copy of program listings, data, working registers and statistical inputs.

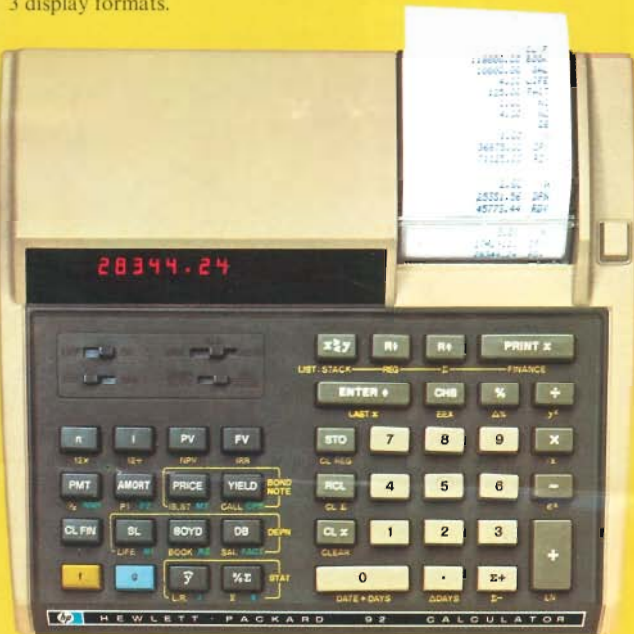
## HP-80

Business calculator. Programmed compound and simple interest calculations. Depreciation, annuities. Statistical functions, trendline calculation. Yields. Built-in 200 year calendar.



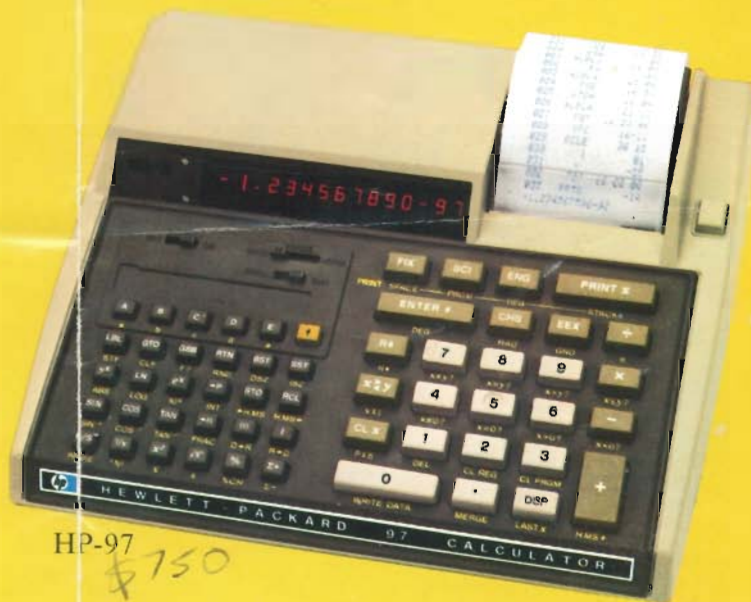
## HP-91

Printing Scientific Calculator. Size (W) 20.3 cm (8 in) × (L) 23 cm (9 in) × (H) 6.3 cm. (2.5 in). Weight 1.13 kg (2.5 lb). AC and battery operation. Extremely low-noise and fast printer. Large LED display. Mathematical, trigonometrical, logarithmic and statistical functions. 16 addressable registers. 1 "Last X"-register. 3 display formats.



## HP-92 Investor

Financial calculator with built-in printer. Compound interest calculations involving residual values and balloon payments (leasing). Printout of loan amortization schedules and 3 types of depreciation tables. Bond and Note calculations, built-in calendar, 360/365 switch. Investment analysis, net present value and internal rate of return, for up to 30 uneven cashflows. Full statistical capabilities. 38 addressable storage registers. Labelled printouts, including listings of register contents.



HP 38E (120)

## New dimensions in fully programmable calculators

**HP-67/HP-97:** Incorporating outstanding features such as: recording and loading of data stored in the 26 storage registers via magnetic cards. 224 merged program lines. Each line holding up to 3 keystrokes for expanded programming power. Control of all reading/recording operations by the "intelligent" card reader - via program control or manually. Improved editing features to easily correct or modify your programs. Choice of 3 addressing systems - symbolic, relative or indirect which effectively increase the power of your programs while decreasing the length. 20 user definable functions. 8 conditional test functions. 3 levels of sub-routines. 4 "flags". All commonly used mathematical, trigonometric and statistical functions. The "compatible" HP-67 and HP-97 are the results of Hewlett-Packard's extensive research and experience in this field. Both calculators are supported by an ever-growing array of software application pacs which presently cover such areas as: Mathematics, Statistics, Electrical Engineering, Mechanical Engineering, Business Decisions, Surveying, Clinical Laboratory and Nuclear Medicine. More "pacs" in other applications areas are planned. Plus a unique customer service - the HP-67/HP-97 Users Club - offers a diverse range of applications programs written by the user, for the user and administered by Hewlett-Packard.



HP-97  
\$750

**HP Computer Museum**  
**[www.hpmuseum.net](http://www.hpmuseum.net)**

**For research and education purposes only.**

## Choose your calculator by using this selection chart

All Hewlett-Packard pocket calculators (except HP-10) use RPN and a four-register operational stack, which provides automatic storage of intermediate results. Data can be manipulated within these registers in any desired sequence. This combination provides one of the most efficient systems known to computer science for solving complex calculations. Dynamic range for all calculators:  $\pm 10^{-99}$  to  $\pm 10^{99}$ .

Model	HP 10	HP 18C	HP 21	HP 22	HP 25	HP 26C	HP 27	HP 29C	HP 67	HP 80	HP 91	HP 92	HP 97
Scientific Calculator		●	●		●	●	●	●	●		●		●
Business Calculator	●	×		●	×	×	●	×	○	●		●	○
Programmable Calculator													
Addressable Storage Registers	1	30	1	15	8	8	15	30	26	1	16	38	26
Last X Register	●	●			●	●	●	●	●		●	●	●
$y^x$ , $\sqrt{x}$	●	●	●	●	●	●	●	●	●	●	●	●	●
$\ln$ , $e^x$	●	●	●	●	●	●	●	●	●	●	●	●	●
$\log 10$ , $10^x$	●	●	●	●	●	●	●	●	●	●	●	●	●
$1/x$	●	●	●	●	●	●	●	●	●	●	●	●	●
Trigonometric functions	●	●	●	●	●	●	●	●	●	●	●	●	●
Degrees/radians/grads	●	●	●	●	●	●	●	●	●	●	●	●	●
Hexagesimal $\leftrightarrow$ decimal	●	●	●	●	●	●	●	●	●	●	●	●	●
Rectangular $\leftrightarrow$ Polar	●	●	●	●	●	●	●	●	●	●	●	●	●
%	●	●	●	●	●	●	●	●	●	●	●	●	●
$\Delta$ %			●				●			●	●	●	●
n1	×			×	×	×	×	×	○	●	●	●	●
Mean, std. deviation	●		●	●	●	●	●	●	●	●	●	●	●
Variance	×				×	×	●	×	○				○
Linear regression	×		●	×	×	×	×	×	○	●	●	●	○
Linear estimate	×		●	×	×	×	×	×	○	●	●	●	○
Correlation coefficient	×			×	×	×	×	×	○	●	●	●	○
Normal distribution	×			×	×	×	●	×	○				○
Compound interest	×		●				●		○	●		●	○
Annuity mode selector	×		●				×		○			●	○
360/365 day year									○			○	○
Amortization schedules	×		●	×	×		×		○			●	○
Internal rate of return							●		○			○	○
Number of uneven cashflows							10		44			30	44
Net present value	×			×	×	●	×		○				○
Bond calculations									○	●		○	○
Depreciation	×				×	×	×		○			○	○
Calendar	×						×		○	●		●	○
Commercial rounding	●								○			○	○
Program lines		98			49	49		98	224				224
Subroutine levels		3						3	3				3
Conditional tests		10			8	8		10	8				8
Flags									4				4
Increment/decrement	●							●	●			●	●
Continuous C-MOS memory	●					●		●	●			●	●
Magnetic cards									●				●
Printer	●	●									●	●	●

- built-in function
- function available via std. software (magnetic cards)
- × easily programmed (programming examples supplied)

## Hewlett-Packard - a brief sketch

Hewlett-Packard was founded in Palo Alto, California, in 1939 by William Hewlett and David Packard. Hewlett currently is HP's president and chief executive officer; Packard serves as chairman of the company's Board of Directors. Today, HP has 29,000 employees at 22 U.S. divisions, eight overseas plants, and 172 sales and service facilities in 65 countries.

The company designs, manufactures and markets more than 3,500 products.

Major product categories include electronic test and measuring instruments and systems, solid-state components, minicomputers, desk-top computers and electronic calculators, medical electronics and instrumentation for chemical analysis.

### HP-10

Pocket-size printing office calculator with familiar adding machine keyboard. Buffered entry and click-action keys. Automatic constant, memory, total and subtotal, in addition to basic operations  $+$ ,  $-$ ,  $\times$ ,  $\div$  and  $\%$ . Low noise thermal printer, labelled printouts. Choice of working with either display, printer or both.

