

CALCULATOR PRODUCTS

Personal Computation

Models HP 10B, HP 12C, HP 14B, HP 17B, HP 19B, HP 20S

Whatever field you are in—science, engineering, mathematics, business, or education—Hewlett-Packard calculators are the best for your success. And they provide the sense of pride that comes from owning computational tools designed, in every detail, to be the finest of their kind.

Business calculators include the HP 12C, HP 14B, HP 17B, HP Business Consultant II, and the new HP 10B. The HP 12C features HP's traditional RPN (Reverse Polish Notation) entry system; others are designed for people who prefer algebraic entry calculators. Scientific calculators that feature RPN include the HP 32S, HP 42S, HP 41CV/CX, and HP 28S. The HP 22S, HP 27S, and the new HP 20S and HP 21S have algebraic entry systems.

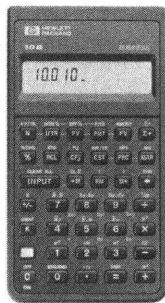
The HP 17B, HP Business Consultant II, HP 27S, HP 42S, and HP 28S have menus and softkeys for easy access to functions. These models, and the HP 22S and HP 32S, also feature HP Solve to make working with equations easier.

An optional infrared printer can be used with the HP Business Consultant II, HP 17B, HP 28S, HP 27S, HP 42S and HP 41CV/CX. A wide range of peripherals, plug-in modules and software allow customization of the HP 41 for personalized application solutions.

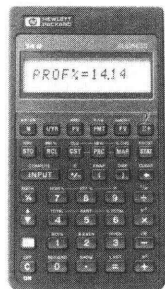
Business Calculators

HP 10B Business Calculator

The HP 10B entry-level calculator provides business essentials plus HP quality and a variety of features that provide ease of use. An auto-increment feature makes amortization schedules quicker to generate. Label descriptors make it easy to enter cash flows and to understand them, and to see which values in an amortization schedule are interest, principal, and remaining balance. There is no need to shift modes to access functions; all functions on the HP 10B are available all of the time without the need to shift modes. Because the HP 10B does not use a COMPUTE key, it eliminates keystrokes and saves time. The HP 10B has a numeric one-line, 12-digit LCD.



HP 10B



HP 14B

HP 12C RPN Programmable Financial Calculator

The HP 12C calculator is the standard for real estate and finance. It features business and financial functions plus math and statistics for calculating mortgages, balloon payments, depreciation, bond yields, and more. The HP 12C has a numeric one-line, 10-digit LCD and 20 storage registers. Application books are available.

HP 14B Business Calculator

The HP 14B calculator offers the most frequently needed functions for business students and small business owners at an economical price. It also has extras such as ROI, break-even and inventory analysis, forecasting using four different curve fits with a best-fit feature, and list-based cash flows. Other features include TVM with amortization; two-variable statistics with linear regression; interest rate conversions; margin and markup; percent change and percent of total; and an alphanumeric display. The HP 14B has a one-line, 12-character dot-matrix LCD. An application book is available.

HP 17B Business Calculator

The function-packed HP 17B calculator is designed for easy use by professionals. It is the only calculator in its class that offers more than 250 business functions plus features like HP Solve, menus and softkeys, the most powerful bond calculations in any hand-held calculator, clock and alarm, and list-based statistics and cash flows. The HP 17B has a 2-line by 22-character alphanumeric display, 6500 bytes of RAM, and an infrared printer interface. Application books are available.

HP 19B HP Business Consultant II Professional Calculator

The HP 19B is the ultimate business calculator for professionals. It has the most comprehensive set of business and financial functions found in any calculator, yet it is easy to use because of its menu and softkey approach to problem solving. It offers a graphics package that plots histograms, scatter diagrams, and four different curve-fitting models for statistics and forecasting, plus net present value versus interest rate for investment analysis. In addition, the HP Business Consultant II offers HP Solve; data- and time-management functions, including an application to manage name and address lists, a clock and calendar, and an appointment scheduler with alarms; number lists with running totals and subtotals; conversion applications for 39 world currencies and 63 different unit measurements; advanced math; and a built-in ROM that allows messages and prompts to be displayed in German, Spanish, French, Italian and Portuguese, in addition to English. The calculator has a 4-line by 23-character alphanumeric display with separate keyboards for numbers and letters, 6500 bytes of RAM and an infrared printer interface. Application books are available.

Scientific Calculators

HP 20S Scientific Calculator

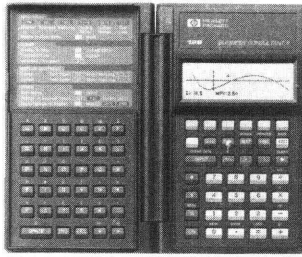
With the HP 20S calculator, engineers, technicians, and students get an entry-level machine with all the functions other scientific calculators in the same price range offer, plus a library containing six of the most-used programs for math, science, and engineering. The HP 20S program library provides a set of functions including root finder, numerical integration, complex-number operations, curve fitting, 3x3 matrix operations, and the quadratic formula. In addition to its program library, the HP 20S has keystroke programming with conditional tests and a comprehensive set of base-conversion and base-arithmetic operations. The HP 20S has a one-line, 12-character numeric display.

CALCULATOR PRODUCTS

Personal Computation

Models HP 21S, HP 22S, HP 32S, HP 27S, HP 42S

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HP 19B

HP 21S Stat/Math Calculator

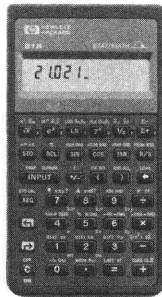
The HP 21S calculator is designed for college students in disciplines such as social sciences, agriculture, life sciences, psychology, and business, who are required to take statistics courses. The HP 21S, which eliminates the need to use statistics tables, calculates the most common statistics distribution values and their inverses, and includes a statistical program library. Sample test statistics can be used to perform hypothesis testing and to construct confidence intervals. In addition to its statistics functions, the HP 21S has all the essential math functions for college math classes and time-value-of-money functions for business calculations. The HP 21S has a one-line, 12-character numeric display.

HP 22S Scientific Calculator

The easy-to-use HP 22S gives science students fast solutions to classroom problems. It has built-in equations, and HP Solve lets users solve for any variable without re-entering an equation. It also has a library of 16 commonly-used equations including roots of a quadratic equation, pressure of a fluid and kinetic energy. Alpha labels, prompts, and messages appear in the one-line, 12-character dot-matrix LCD. The HP 22S also has 16K bytes of ROM, 371 bytes of user RAM and 26 storage registers. An application book is available.



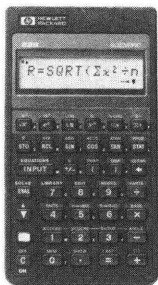
HP 20S



HP 21S

HP 32S RPN Scientific Calculator

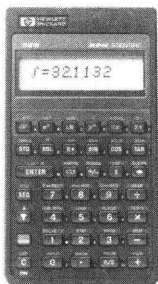
The HP 32S calculator for technical professionals and students gives the RPN advantage at the lowest price. It is an excellent next step from the HP 11C. It has a complete set of math and science functions, RPN HP Solve, which solves for any variable without reprogramming, numerical integration and complex number functions and programming capabilities for solving repetitive problems. It incorporates labeled variables for input and output, and looping, tests and flags for problems that require logical decision making. The HP 32S has a one-line, 12-character dot-matrix LCD, 390 bytes of user RAM and 27 storage registers. An application book is available.



HP 22S

HP 27S Scientific Calculator

The HP 27S is a two-in-one calculator for technical managers who need to perform business and scientific calculations. It offers scientific functions, including logarithms, trigonometry and hyperbolics; financial functions for TVM and amortization schedules; number lists with running totals for statistics, forecasting and adding columns of numbers; base conversions; HP Solve; appointments and time calculations. The HP 27S has a 2-line by 22-character alphanumeric display, 6.5K bytes of RAM and an infrared printer interface. Application books are available.



HP 32S

HP 42S RPN Scientific Calculator

The powerful HP 42S is the engineer's best bet for matrix math. It is an excellent HP-15C upgrade and has a complete set of math and science functions. A sophisticated matrix editor prompts for input, which is useful for solving simultaneous equations. The matrix editor also allows complex numbers to be used as matrix elements. Variables, including real and complex numbers and matrixes, can be named. A variable and function catalog keeps track of them, and they can be used directly from the catalog. Access to and use of all functions, programs and variables in the calculator are possible via the catalog by simply scrolling to the desired function and executing it. The HP 42S also features RPN Solve and numerical integration functions. Custom menus can be created and assigned to the top-row

CALCULATOR PRODUCTS

Personal Computation

Model HP 41CV/CX, HP 28S, Enhancements & Peripherals

keys. The HP 42S also runs thousands of keystroke programs available for the HP 41C/CV calculators. The HP 42S has a 2-line by 22-character dot-matrix LCD, 64K bytes of ROM, 8K bytes of RAM and an infrared printer interface. Application books are available.

HP 41CV and HP 41CX RPN Advanced Programmable Calculators

The HP 41CV and HP 41CX provide the heart of expandable computational systems. In addition to input/output capability, they provide portability and touch-key simplicity.

In addition to all the built-in functions of the HP 41CV, the HP 41CX features built-in Time and Extended Functions/Memory modules, a text-file editing function and 19 other functions.

A broad range of HP-written application pacs and solutions books is available. The HP 41CV/CX have 2,233 bytes of RAM (319 registers) built in, with 6,433 bytes (919 registers) maximum. The HP 41CX has 868 bytes (124 registers) of built-in extended memory. The optional HP 82180A Extended Functions/Memory Module adds 868 bytes (124 registers) to the HP 41CV and the optional HP 82181A Extended Memory Module adds 1,666 bytes (238 registers) to the HP 41CV/CX. There are over 200 built-in functions in the HP 41CX and over 128 in the HP 41CV. Both calculators can be used with the HP 82240B Infrared Printer (HP 82242A Infrared Printer Interface Module required) and have 10-digit, 12-alpha character (scroll to 24) LCDs.

HP 28S Advanced Scientific Calculator

The HP 28 is the first scientific calculator to offer symbolic solutions for technical professionals and students in math and engineering. It can perform symbolic algebra and calculus computations, and it can plot equations on its display. It has 32K bytes of RAM; memory management features for organizing information stored in memory; an advanced graphics package with graphics storage and recall; matrix, vector and complex-number arithmetic; and advanced programmability through a high-level programming language. Other features include menus and softkeys that make access to functions faster and easier, HP Solve for use in personalizing the HP 28S without programming, and enhanced RPN with optional algebraic entry. The HP 28S has a 4-line by 23-character alphanumeric display with separate keyboards for numbers and letters and a wireless infrared printer interface. Application books are available.

Ordering Information

HP 10B Business Calculator	\$49.95	☎
HP 12C RPN Programmable Financial Calculator	94.95	☎
HP 14B Business Calculator	79.95	☎
HP 17B Business Calculator	110.00	☎
HP 19B HP Business Consultant II Professional Calculator	175.00	☎
HP 20S Scientific Calculator	49.95	☎
HP 21S Stat/Math Calculator	49.95	☎
HP 22S Scientific Calculator	59.95	☎
HP 32S RPN Scientific Calculator	69.95	☎
HP 27S Scientific Calculator	79.95	☎
HP 42S RPN Scientific Calculator	120.00	☎
HP 41CV RPN Advanced Programmable Calculator	175.00	☎
HP 41CX RPN Advanced Programmable Calculator	249.00	☎
HP 28S Advanced Scientific Calculator	235.00	☎

Enhancements and Peripherals

HP 17B, HP 19B, HP 27S, HP 42S, HP 41CV/CX and HP 28S

HP 82240B Infrared Printer

An infrared light beam provides a cordless connection to the calculator from up to 18 inches away. The HP 82240B prints 24 characters per line in 5x8 dot matrix, using the ECMA 94-character set for ease in reading output. This thermal printer turns itself off after 10 minutes of inactivity and has a power indicator. It uses batteries or an optional ac adapter. An HP 82242A Infrared Printer Interface Module is required to use this printer with the HP 41 calculator.

☎Fast-Ship product—see page 734



HP 42S



HP 28S

HP 41

HP 82182A Time Module

With this module (built into the HP 41CX), the HP 41CV can become a time-scheduled system controller, alarm clock, appointment reminder, calendar, timer or even an advanced stopwatch.

HP 82160A HP-IL Interface Module

Plugs into any one of the four ports in the HP 41, connecting it with HP-IL peripherals and instruments, and to HP-IB and RS-232C devices using interface converters. Gives the HP 41 control of up to 30 devices on the loop. Typical HP 41 transfer rate: 150 bytes/second.

HP 82183A Extended I/O Module

Provides 59 I/O functions beyond those provided by the HP 82160A HP-IL Module.

HP 82242A Infrared Printer Interface Module

Provides an interface that allows the HP 41 to be used with the HP 82240A/B Infrared Printers. Permits numeric, upper- and lower-case alpha, double-wide characters, high-resolution plotting capabilities and intensity control. Allows user-defined special characters to be transmitted to the printer.

HP 82161A Digital Cassette Drive

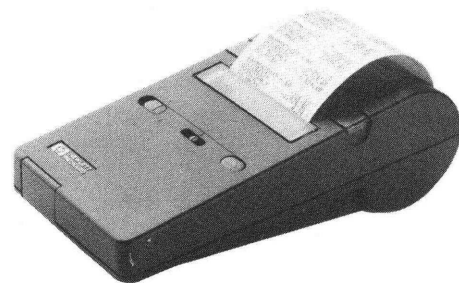
Uses a digital-quality mini-cassette to store up to 128K bytes of information. Number of tracks, 2; density, 335 bits/cm (850 bits/inch); format, 256 bytes/record (8 bits/byte); formatted capacity, 512 records (131,072 bytes).

HP 2225B Thinkjet Personal Printer

See numerical index for page number.

HP 9114B Disk Drive

See numerical index for page number.



HP 82240B

CALCULATOR PRODUCTS

Personal Computation
Interfaces, Accessories & Software

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Ordering Information

	Price
HP 19B, HP 17B, HP 41CV/CX, HP 28S, HP 27S and HP 42S:	
HP 82240B Infrared Printer (110V)	\$ 135.00
HP 82241A Adapter, U.S. (110V)	15.00
HP 41:	
HP 82240B Infrared Printer (110V)	135.00
HP 82242A Infrared Printer Interface Module	65.00
HP 82180A Extended Functions/Memory Module	75.00
HP 82181A Extended Memory Module	75.00
HP 82182A Time Module	75.00
HP 82160A HP-IL Interface Module	125.00
HP 82183A Extended I/O Module	75.00
HP 82161A Digital Cassette Drive	250.00

Interfaces

HP 41

HP 82164A HP-IL/RS-232C Interface

Translates HP-IL signals into RS-232C signals, and vice versa, for connection of HP-IL systems with RS-232C systems. Provides bit-serial asynchronous data communication. AC adapter included.

HP 82169A HP-IL/HP-IB Interface

Permits linkage of HP-IL systems with HP-IB (IEEE 488, 1978) computers and lab equipment. When a controller is used, it can be either an HP-IL or HP-IB device. AC adapter included.

HP 82242A Infrared Printer Interface Module

Permits the HP 41CV/CX to be used with the HP 82240B Infrared Printer.

Ordering Information

	Price
HP 41	
HP 82164A HP-IL/RS-232C Interface	\$295.00
HP 82169A HP-IL/HP-IB Interface	395.00
HP 82242A Infrared Printer Interface Module	\$65.00

Accessories

Accessories such as owner's manuals, programming pads, magnetic cards, thermal paper, battery packs, rechargers and software manuals are readily available for all types of HP calculators. To order, call your **HP Direct** office. In the U.S., call 800-538-8787.

Software

HP offers software packages as application pacs, solutions books and application booklets. Application pacs come with a manual, plug-in module, and when applicable, prerecorded magnetic cards, a keyboard overlay and quick reference card. Solutions books come with complete documentation. Application booklets stand alone. Available from dealers and HP sales representatives.

HP 14B

Application Book	
00014-90021 Business Student	\$9.95

HP 19B, HP 17B and HP 27S

Application Books	
00017-90019 Real Estate, Banking, and Leasing	\$9.95
00017-90020 Business Finance and Accounting	9.95
00017-90021 Marketing and Sales	9.95
00017-90022 Personal Investment and Tax Planning	9.95

HP 19B and HP 27S

Application Book	
00027-90044 Technical Applications	\$9.95

HP 22S

Application Book	
00022-90034 Science Student Applications	\$9.95

HP 32S

Application Book	
00032-90057 Engineering Applications	\$9.95

HP 42S

Application Books	
00042-90020 Programming Examples and Techniques	\$9.95
00042-90021 Electrical Engineering	9.95
00042-90022 Mechanical Engineering	9.95

HP 41

Application Pacs

00041-15055 HP 41 Advantage	\$49.00
00041-15006 Circuit Analysis	45.00
00041-15004 Financial Decisions	45.00
00041-15049 Math/Statistics	45.00
00041-15022 Games	45.00
00041-15016 Real Estate	45.00
00041-15019 Thermal & Transport Science	45.00
00041-15039 Petroleum Fluids	75.00
00041-15001 Standard Applications	45.00
00041-15027 Stress Analysis-Mechanical Engineering	45.00
00041-15021 Structural Analysis-Civil Engineering	45.00
00041-15005 Surveying	45.00
00041-15020 Machine Design	45.00

Solutions Books*

Business:

00041-90094 Business Statistics/Marketing/Sales	15.00
00041-90096 Home Construction Estimating	15.00
00041-90086 Lending, Savings, & Leasing	15.00
00041-90136 Real Estate	15.00
00041-90137 Small Business	15.00

Engineering:

00041-90093 Antennas	15.00
00041-90100 Chemical Engineering	15.00
00041-90089 Civil Engineering	15.00
00041-90092 Control Systems	15.00
00041-90088 Electrical Engineering	15.00
00041-90139 Fluid Dynamics & Hydraulics	15.00
00041-90140 Heating, Ventilating & Air Conditioning	15.00
00041-90090 Mechanical Engineering	15.00
00041-90138 Solar Engineering	15.00
00041-90441 Structural Design (cassette-based)	35.00

Computation:

00041-90084 Geometry	15.00
00041-90083 High-Level Math	15.00
00041-90082 Test Statistics	15.00

Other:

00041-90102 Chemistry	15.00
00041-90099 Games I	15.00
00041-90443 Games II	15.00
00041-90142 Physics	15.00
00041-90141 Surveying	15.00
00041-90395 Time Module Solutions I	15.00

*As originals are depleted, photo copies will be supplied at same prices

HP 28

Application Books

00028-90111 Mathematical Applications (HP 28S)	\$9.95
00028-90105 Vectors and Matrices (HP 28C/S)	9.95
00028-90101 Algebra and College Math (HP 28C/S)	9.95
00028-90102 Calculus (HP 28C/S)	9.95
00028-90104 Probability and Statistics (HP 28C/S)	9.95

For additional information or a demonstration of Hewlett-Packard professional calculators, visit your nearest HP dealer.

☎ Fast-Ship product—see page 734.