

HEWLETT-PACKARD

HP Business Consultant II (HP-19B)

HP-17B Business Calculator

HP-27S Scientific Calculator

*HP-28S Advanced Scientific
Calculator*

**Accessories
& Applications**

Congratulations!

The Hewlett-Packard calculator you've just purchased will serve you faithfully for many years. It's a whole new idea in calculators. An idea that's centered around you and the solutions you seek.

To enhance what your calculator can do for you, we offer the HP Infrared Printer, printing accessories and a variety of instructional books.

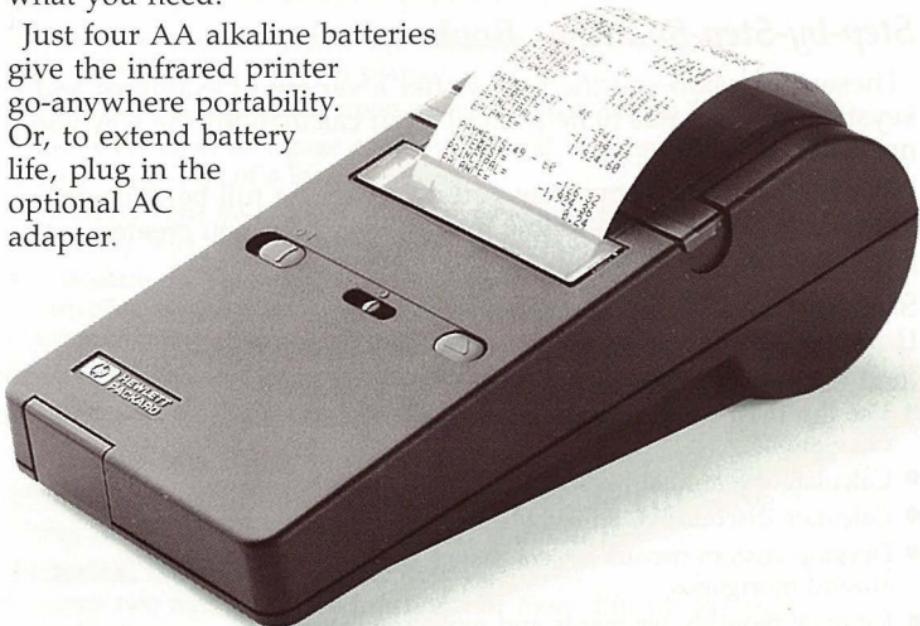
HP Infrared Printer and Printing Accessories

HP Infrared Printer (HP 82240A)

The battery-powered infrared printer is a revolutionary companion for your new calculator. Since it operates with an invisible infrared beam, no cord is necessary to connect it to the calculator. Producing hard copies – in a car, in the field, in your office – couldn't be easier.

Operation of the infrared printer is easy, too. Simply aim your calculator at the printer (from up to a foot-and-a-half away), send print directions, and you get a neat, clean copy of your calculations. You can print out a complete record of your work or select and print only what you need.

Just four AA alkaline batteries give the infrared printer go-anywhere portability. Or, to extend battery life, plug in the optional AC adapter.



AC Adapters for the HP Infrared Printer

Europe 220V, 50 Hz (HP 82241AB)

Australia 240V, 50 Hz (HP 82241AG)

Japan 100V, 50 Hz (HP 82241AJ)

United Kingdom 240V, 50 Hz (HP 82241AU)

Thermal Printing Paper – 6 rolls – Black (HP 82175A)

Elegant Leather Cases

HP Infrared Printer Cases

Black (HP 92169G)

Brown (HP 92169H)

Burgundy (HP 92169J)

HP Business Consultant II and HP-28S Cases

Black (HP 92169D)

Brown (HP 92169E)

Burgundy (HP 92169F)

HP-17B and HP-27S Cases

Black (HP 92169K)

Brown (HP 92169L)

Burgundy (HP 92169M)

Step-by-Step Solutions Books

These profession-specific books offer a variety of examples and keystroke procedures to help set up your calculations the way you need them.

Practical routines show how you can reap the full benefits of built-in menus. Easy-to-follow instructions help you create personalized menus to solve problems in your words.

Step-by-Step Books for Business

Using the HP Business Consultant II, HP-17B or HP-27S:

Real Estate, Banking and Leasing (00017-90019)

- Use the TVM menu for real estate, banking and leasing calculations.
- Calculate the annual percentage rate of a loan with fees.
- Calculate discounted, adjustable-rate and bi-weekly mortgages.
- Develop custom menus for graduated payment and wrap-around mortgages.
- Estimate monthly payments and mortgage insurance.
- Use custom menus to calculate Rule of 78s, add-on loans, constant payment loans, loans with odd first periods, and leases with multiple payments in advance.
- Work with a variety of methods to evaluate savings plans.

Business Finance and Accounting (00017-90020)

- Calculate break-even point, profits and standard business ratios.

- Make investment decisions using payback period, net present value and internal rate of return.
- Solve for variances and other cost-accounting variables.
- Perform financial statement analyses.
- Compute sample size for inventory audit.

Marketing and Sales (00017-90021)

- Forecast sales using moving averages, exponential growth curves and linear regression.
- Determine price, mark-up and profit.
- Estimate the financial feasibility of a new product.
- Estimate the elasticity of demand.
- Build a custom "quote maker" for accurate quotes on the spot.
- Base a custom menu on your company's commission scale to figure your commission on a product.

Personal Investment and Tax Planning (00017-90022)

- Evaluate savings and IRA plans.
- Solve for funds available upon premature distribution from an IRA.
- Calculate basic mortgage components and the annual percentage rate of a loan.
- Evaluate your investment alternatives among life insurance, treasury bills, bonds, stocks, mutual funds and limited partnerships.
- Calculate the Beta of your portfolio, estimate your stock price volatility, target your gains, hedge with call options, and estimate margin account gain or loss.
- Solve for adjusted gross income, taxable income and taxes due.
- Determine your tax and inflation breakeven point.

Step-by-Step Book

for Advanced Technical Solutions using HP Solve Using the HP-27S or HP Business Consultant II:

Technical Applications (00027-90044)

- Learn two new HP Solve functions for more difficult technical problems.
- Perform numerical integration and differentiation.
- Carry out complex number functions and vector operations.
- Find the greatest common divisors and least common multiples.
- Perform geometry functions, series expansions, matrix operations, factors and primes, and coordinate transformation..

Step-by-Step Books for Science and Engineering

Using the HP-28S:

Electrical Engineering (00028-90103)

- Use ready-to-go utilities for quick results or as part of your own custom application.
- Calculate mesh currents and nodal voltages of DC or AC circuits.
- Display and optionally print a Bode diagram of a transfer function.
- Calculate the impedance of a passive one-port network.
- Convert impedance values between delta and Y networks.
- Perform ladder network analysis, truth table generation, finite Fourier transforms and voltage/current division.

Using the HP-28S and HP-28C:

Vectors and Matrices (00028-90105)

- Perform general matrix operations: summation, multiplication, determinant, inverse, transpose, conjugate, minor, rank computation and Hermitian determination.
- Solve a system of linear equations.
- Calculate important vector operations: basis, orthogonality, vector length and normalization.
- Learn methods for calculating eigenvalues and eigenvectors.
- Perform the method of least squares and Markov Chain calculations.

Algebra and College Math (00028-90101)

- Solve algebraic problems: polynomial long division, function evaluation, simultaneous linear equations, quadratic equations, logarithms, polynomial equations, matrix determinants and infinite series.
- Perform trigonometric calculations: functions for one or two angles, graphs of functions, relations and identities, inverse functions, equations and complex numbers.
- Solve analytic geometry problems that involve rectangular and polar coordinates, the straight line, circle, parabola, ellipse, hyperbola and parametric equations.

Calculus (00028-90102)

- Perform function operations: definition, composition, analysis, angles between lines, and angles between a line and a function.
- Solve problems of differential calculus: function minimization, computing tangent lines and implicit differentiation.

- Obtain symbolic and numerical solutions for integral calculus problems: polynomial integration, area between curves (double integration), arc length of a function, surface area, and volume of a solid of revolution.

Probability and Statistics (00028-90104)

- Set up a statistics matrix.
- Calculate a variety of basic statistics: means, standard deviations, variances, covariances, correlation coefficient, sums of products, normalized data, delta percent on paired data, moments, skewness and kurtosis.
- Perform several regression techniques: curve fitting (straight line, exponential, logarithmic and power), multiple linear and polynomial regressions.
- Compute several test statistics.

Owner's Manuals

Each HP calculator comes with the appropriate owner's manual. Manuals may also be ordered separately.

Manuals for HP calculators are also available in a variety of languages. Contact your HP dealer or local HP sales office for more information.

Easy Course Books

by Grapevine Publications, Inc.

Explore the ins and outs of your HP calculator, starting with the basics and moving to more specific topics at your own pace. In a friendly and conversational style, these Easy Course books elaborate on owner's manuals and provide more practice with menus, arithmetic, memory use and number lists.

You'll find plenty of help and practice in developing formulas and solutions. These books can bridge the gap between your problem and finding a method to solve it.

An Easy Course in Using the HP-17B (HP 92236A)

An Easy Course in Using the HP-19B (HP 92236B)
(*the HP Business Consultant II*)

An Easy Course in Using the HP-27S (HP 92236C)

An Easy Course in Using the HP-28S (HP 92236D)

For More Information

For additional information on HP calculators and accessories, contact the local HP sales office listed in your telephone directory.

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