

# 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. And because it's from HP, you can be assured that you now have the best calculator available to help you succeed.*

*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*

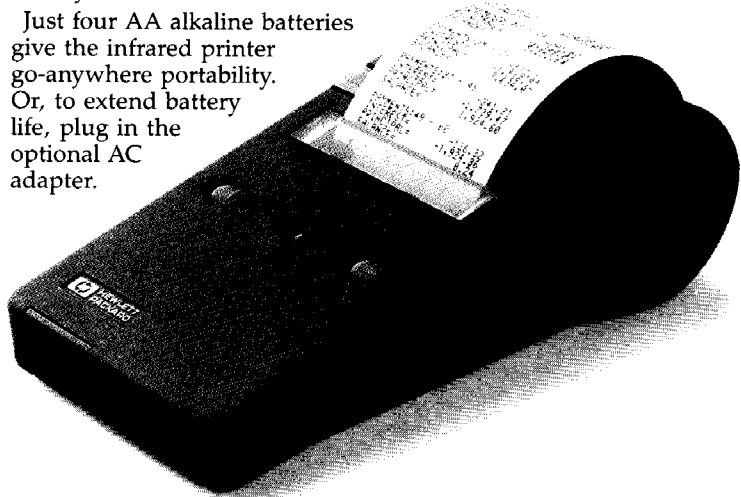
### **HP Infrared Printer (HP 82240A)**

\$135.00

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**

U.S. and Canada 110V, 50-60 Hz (HP 82241A)

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)**  
**2 rolls—Black (HP 82175B)**

### **Elegant Leather Cases**

#### **HP Infrared Printer Cases**

Black (HP 92169G)

Brown (HP92169H)

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 (HP92169L)

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 and mutual funds.
- 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.

*continued...*

## **Step-by-Step Books for Science and Engineering**

### ***Using the HP-28S:***

#### **Mathematical Applications (00028-90111)**

- Find the area and all sides and angles of any plane triangle.
- Perform synthetic division on polynomials of arbitrary order.
- Calculate all the roots of a 1st, 2nd, 3rd and 4th degree polynomial, with real or complex coefficients.
- Solve first- and second-order differential equations by the fourth-order Runge-Kutta method.
- Convert the coordinates of 2- or 3-dimensional vectors between two coordinate systems, where one system is translated and/or rotated with respect to the other.
- Collect statistical data point, and fit any or all of four common curves to the data. Plot the data and fit the curve(s).

### ***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.
- 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.

## ***Books and Guides to Help You***

The products included in this section are independent of HP. They have not been tested or reviewed by HP and their inclusion here does not constitute an endorsement.

**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)

**Pocket Guide for the HP-17B** (HP 92206R)

**Pocket Guide for the HP-19B** (HP 92206Q)  
*(the HP Business Consultant II)*

**HP-28S Software Power Tools: Electrical Circuits** (HP 92220X)

**Pocket Guide for the HP-28S** (HP 92222G)

**HP-28S Insights** (HP 92206J)

## *For More Information*

**In the U.S.A.,** for a demonstration of Hewlett-Packard professional calculators, visit your nearest HP dealer.

### **How to order (U.S. orders only)**

To order items your local dealer does not carry, call toll-free 800-538-8787. Please refer to Call Code P170 when ordering. Mastercard, Visa and American Express cards are welcome.



**Outside the U.S.A.,** contact your local HP sales office. They are listed in your telephone directory.

**Note:** Product availability subject to change without notice.

### **U.S.A.**

Hewlett-Packard Co.  
Corvallis Division  
1000 NE Circle Blvd.  
Corvallis, OR 97330

### **Hewlett-Packard Corporate Offices**

3000 Hanover Street  
Palo Alto, California 94304

### **Hewlett-Packard (Canada), Ltd.**

6877 Goreway Drive  
Mississauga, Ontario  
L4V 1M8  
Tel: (800) 387-3867

### **Hewlett-Packard Asia, Ltd.**

22-28/F West Tower  
Bond Centre  
89 Queensway  
Central  
Hong Kong  
Tel: (5) 848-7777

### **Hewlett-Packard Japan, Ltd.**

Yokogawa-Hewlett-Packard Ltd.  
29-21, Takaido-Higashi 3 Chome  
Suginami-ku, Tokyo 168  
Tel: (03) 331-6111

### **HP Australia/New Zealand, Ltd.**

31-41 Joseph Street  
Blackburn, Victoria 3130  
Australia  
Tel: (03) 895-2895

### **HP Latin America**

Monte Pelvoux 111  
Lomas de Chapultepec  
11000 Mexico D.F.  
Tel: (905) 596-7933/8077

### **HP Intercontinental Headquarters**

3495 Deer Creek Road  
Palo Alto, California 94304  
U.S.A.  
Tel: (415) 857-5027



Scan Copyright ©  
The Museum of HP Calculators  
[www.hpmuseum.org](http://www.hpmuseum.org)

Original content used with permission.

Thank you for supporting the Museum of HP  
Calculators by purchasing this Scan!

Please do not make copies of this scan or  
make it available on file sharing services.