



The HP-25



The HP-67



The HP-97

## The HP programmables; or how to make a one-time investment in a machine you won't outgrow.

Users of preprogrammed hand-helds who seek to extend their problem-solving skills can find themselves stalled by their machines' built-in limitations. For users whose needs are evolving, the practical entry-level choice for personal data processing may well be the programmable machine.

Until about four and a half years ago, the slide rule was the personal number processor "of choice"—by necessity. Then, in 1972, Hewlett-Packard introduced an alternative: the first of a series of preprogrammed hand-held calculators that virtually revolutionized numerical data processing.

Since then, we have pioneered another alternative: hand-held *programmable* machines that expand their utility beyond the power resident in the key functions, and thus offer the capacity to deal realistically with a user's evolving needs:

- **The keystroke programmable.** The HP-25 (\$145\*) can be programmed by a series of keystrokes to solve automatically the repetitive problems every scientist and engineer faces. Its capabilities include branching, conditional tests, full editing, and eight addressable memories. It also has 72 built-in functions and operations, which can be incorporated into your programs to save program steps, or used "as is."
- **The programmable with continuous memory.** The HP-25C (\$200\*) adds a continuous memory to the HP-25, so that it can retain programs or data even when it is turned off.
- **The fully programmable.** The HP-67 (\$450\*) is the most powerful hand-held programmable HP has ever built. Programmed by prerecorded magnetic cards,

or by keystroke for programs you develop (which can also be stored on magnetic cards for re-use), the HP-67 handles routines of up to 224 steps. But of even greater importance is the HP-67's capacity for automatic merging of keystrokes (squeezing as many as three keystrokes into one step of program memory). There are program packages for math, stat, EE, ME, clinical lab and nuclear medicine, and surveying, available at \$35\* per pac.

- **The fully programmable with thermal printer.** The HP-97 (\$750\*) has all the capability of the HP-67, plus a built-in printer. Besides generating a permanent record of your results, the printer can aid significantly in programming, listing all or part of your programs complete with key memories, or tracing operations and results of each step of a running program to facilitate editing or debugging. While larger than pocket-sized, the HP-97 is small enough (8 by 9 by 2½ inches) to fit very portably into your briefcase.

### A few words about machine "language."

All our hand-held and portable programmables incorporate HP's special RPN logic system. It's simple, direct, and trustworthy. You can work involved equations in the order you find natural, without having to enter or keep track of parentheses and brackets. And you get answers you can trust! Programs using HP's logic system are generally shorter than those using the logic systems of most other machines, making the most efficient use of program memory space. This, plus fully merged keystrokes, makes each programming step a stride, not a hobble.

### And added value.

If you are a professional, or aspire to be one, there's a programmable with the range of power and features you need. Plus the engineering quality that assures reliable performance. Plus worldwide service. Plus manuals and aids to make programming a snap. If the notion of having a personal computer in your pocket or briefcase seems attractive, the next step is up to you.



**This HP computer advance automates financial reporting — and doubles as a scientific problem solver too.**

For technical enterprises big enough to computerize their financial accounting, and small enough to put the same computer to work for scientific problem solving, the new HP 9896 desk-top system can fill both needs admirably and affordably.

The HP 9896 system puts it all together in a functional desk enclosure. Controlling the system is the HP 9831A desk-top computer, with integral keyboard and display. It has a standard read-write memory of 7,162 bytes, and is programmable in easy-to-use BASIC language. The system also includes two flexible disk drives for rapid access to stored programs and data, and a 9871A impact printer whose 96-character interchangeable print disks provide typewriter-quality printouts.

You also get a complete package of programs for general ledger, payables, receivables, payroll, and inventory. For larger organizations, the system can

handle selected tasks in areas of production control, forecasting, financial analysis, or personnel records management.

The 9896 also has a library of scientific programs that include medical data analysis, structural and civil engineering data analysis, and general statistics for scientific problem solving.

The 9896 system is expandable. Memory can be added by 8 Kbytes up to 32 Kbytes. Two additional disk drives can be added, each providing 500 Kbytes of storage. Other available peripherals include a thermal printer, paper tape reader or punch, card reader, and data cartridge cassette memories.

Basic system price is \$21,700\*. If you'd rather buy programs independently, complete 9896 system hardware without business information management programs costs \$18,700\*. Leases start at \$500\* per month. As a Hewlett-Packard customer, you are assured of one responsible source for computer equipment, programs, training, support, and after-sale service.



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Mail to: Hewlett-Packard, 1503 Page Mill Road, Palo Alto, CA 94304. Please send me further information on

- HP hand-held and portable programmables
- HP 9896 computer system

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

\*Domestic U.S. prices only.

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