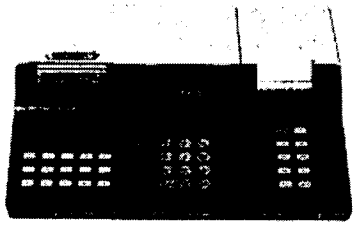


9815S

DESIGNED FOR HP-IB SYSTEMS

ing is a design feature that makes the
r low-cost BCD data acquisition appli-
tures of the 97A Scientific Program-
ws a reading of up to 10 BCD digits to
out 1 reading per second. Comparisons
other computations can then be easily
ovide data or program storage and an
les hard copy output.
e 97S include electronic balances,gag-
spectrophotometers, gamma counters,
nual with all technical data and exam-
nd supplement describing the interfac-

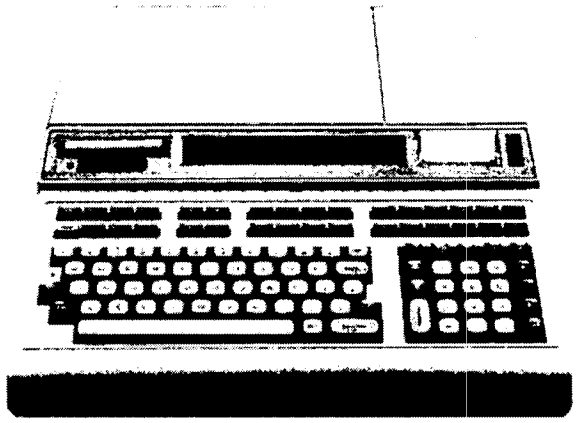
ıl solutions to dedicated data acquisi-
s. The integration of peripherals into a
'ormance flexibility, provide attractive

ath and transcendental functions. For
nply program the keystrokes into the
; offers 3800 program steps. Ten data
and program steps can be assigned as
efficient RPN programming language
FOR-NEXT loops, symbolic and cal-
of subroutines. Fifteen keys can be de-
ons by simply pressing a key.
96K bytes of program or data storage
character alphanumeric printer are in-
ature, simply inserting a tape cartridge
vill load the first program and run it,
ction. Operation of a system thus re-
ng.
in data acquisition and control applica-
face allows 9-digit input at up to 2000
an 8-bit output. The 98134A is a gen-
it parallel interface providing transfer
ıe 98135A provides HP-IB compatibil-
instruments can be interconnected to
: compatible serial I/O as well as cur-
ity is available with the 98136A. Peri-
standard interfaces. In addition to
· tape punch, a four-color plotter and a

stics and Financial Analysis and Elec-
ıilable.

DESIGNED FOR HP-IB SYSTEMS

9825B/T



9825B/T

The 9825B or 9825T Desktop Computer offers many features previously found only on minicomputers. It is particularly suited to controller applications and is a powerful stand-alone device. The 9825T includes a larger memory than the 9825B.

Packaged System

Both the 9825B and the 9825T provide a compact computing system with built-in peripherals. The 9825B includes 23K bytes of read/write memory and internally integrated ROMs (read-only memories) for Strings, Advanced Programming, Plotters, General I/O and Extended I/O. The 9825T has 62K bytes of read/write memory, all the built-in ROMs of the 9825B plus a built-in Systems Programming ROM.

A 32-character LED display and a built-in 16-character thermal printer provide alphanumeric readout including both capital and lower case letters. The high-speed bidirectional data cartridge holds 250K bytes and has an average access time of 6 seconds to any place on the tape. File verification is automatic on recording.

Twelve Special Function keys on the keyboard, combined with the shift key, can handle 24 different operations. They can serve as immediate execute keys, as call keys for subroutines, and as typing aids.

Powerful Programming

The 9825 is programmed in HPL, a high-level, formula-oriented language. HPL provides for subroutine nesting and flags and allows 26 simple variables and 26 multidimensional array variables, limited only by the size of the 9825's memory. Fixed- and floating-point formats can be set from the keyboard. Syntax checking is simple: a flashing cursor in the display identifies error locations.

The 9825 offers several contributions that make it a powerful and flexible programmable computer. Live keyboard lets the user examine and change program variables, perform complex calculations, call subroutines, and record or list programs while the 9825 is performing other operations. The internal calculation range is $\pm 10^{\pm 511}$ to $\pm 10^{-511}$. The tape cassette can be used to record and load the entire memory automatically.

I/O Performance

Three I/O slots accept standard interface cards offering 16-bit parallel, BCD, serial, or HP-IB communication with instruments and peripherals. Code conversion logic is available to interpret a variety of machine codes. High-speed I/O handles data input speeds up to 400K 16-bit words/second. This is all accessible through formatted and binary read/write instructions in the HPL language.

With two-level priority interrupt, available in the Extended I/O ROM, the 9825 will act as a controller for several instruments or peripherals requiring attention at unpredictable rates or times. Stand-alone controlling is enhanced with auto restart and interface status testing.

Ordering Information	Price
97S I/O Calculator	$1375
97SD Five 97S I/O Calculators	$6530
9815S Desktop Computer	$3800
9825B Desktop Computer	$7700
9825T Desktop Computer	$8200