

HEWLETT **hp** PACKARD

9865

9865A  
CASSETTE MEMORY

TECHNICAL DATA\* MARCH 1975



9865A CASSETTE MEMORY

#### DESCRIPTION

The HP 9865A Cassette Memory provides convenient reliable storage for 9800 Series programmable calculator programs or data. Tape and data manipulations not usually available on large computer magnetic tape systems are easily performed on the 9865. Data may be recalled from the cassette, modified, and restored in the same file, thus eliminating the need for a second tape unit. All files are numbered sequentially and a high-speed search is used to locate a specified file from any point on the tape; program execution times are significantly reduced by eliminating the need for tape rewind in order to begin searching for a file.

Cassette storage may be optimized by selecting different file sizes which correspond to the program length and/or data

memory of the 9800 Series calculator to be used. Several cassette memories may be used in a system and each can be selectively addressed. All commands may be issued under program as well as keyboard control.

Files are identified by file numbers and other information regarding how the file has been used. Data files recorded on one 9800 Series calculator may be read into another 9800 Calculator for analysis. However, a program for one calculator may not be read into another model since their programs are not compatible. "Checksums" are used to verify programs and data. If the data or program is not read back into the calculator exactly as it was recorded onto the cassette, an automatic re-read is executed several times. This assures the user that transferred data is correct and program execution will continue in a normal manner.

The command set for the 9865 Cassette Memory provides the following capability:

- Mark Tape:** Cassette tape may be marked in files of different length for program and/or data storage resulting in optimum tape utilization.
- Find File:** Search for a specified file at high speed from any point on the tape without re-winding, significantly decreases program execution time.
- Record Data:** Records data onto the cassette from registers in calculator memory, allows user to specify number of registers for transfer.
- Load Data:** Loads data into the calculator memory starting at a specified register, selective data transfer.
- Record Program:** Records program onto the cassette beginning at a specified program step in the calculator memory, allows selective program or subroutine storage.
- Load Program:** Loads program from the cassette into the calculator memory beginning at a specified program step number in the calculator.
- Locate:** Provides file number of current position on cassette tape in calculator display. Leaves tape in position to read from or write into that file.

## SPECIFICATIONS

- Size:** 6.67 in. high x 8 in. wide x 11 in. deep (169.3 mm x 203.2 mm x 279.4 mm)
- Weight:** 11 lbs (5 kg)
- Power:** 50 Watts  
120V +5%, -10% selected by  
240V +5%, -10% switch settings  
48 — 440 Hz, 50VA maximum
- Capacity:** Approximately 6000 data registers or 48,000 program key strokes on a 300-foot cassette
- Search Speed:** Approximately 130 feet/minute
- Operating Temperature Range:** 0°C — 45°C Ambient
- Tape Life:** At least 1000 head passes

## ACCESSORIES

Tape Cassette — 300-foot tape P/N 9162-0050

### Service Contracts Available.

\*Data subject to change.



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