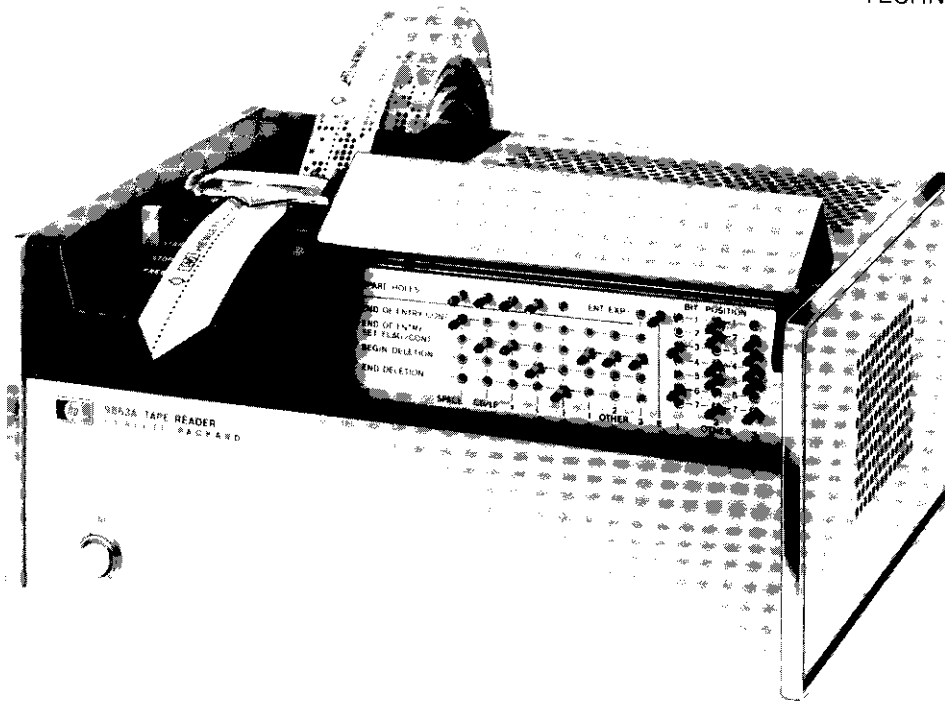# HEWLETT hp PACKARD

MODEL 63

9863A
TAPE READER

TECHNICAL DATA 7/72

9863A TAPE READER

DESCRIPTION

The HP 9863A Tape Reader transfers data from ASCII or ISO coded punched paper tape to a Series 9800 calculator. Special models can be ordered to read from other codes. The format on tape can be adapted to the calculator system using the tape reader patchboard, accessed behind a hinged panel.

Data from various measuring instruments, computer terminals or telex lines can be reduced in the calculator without the time-consuming re-entering of data via the calculator keyboard.

OPERATION

DATA mode. On command from the 9800 calculator, the 9863A tape reader starts reading data. Reading is terminated by an end-of-entry character on the tape. This character, selected on the patchboard, can be any ASCII or ISO character.

Two different, consecutive end-of-entry characters can be called, allowing more powerful control:"END OF ENTRY, CONTINUE", or "END OF ENTRY, SET FLAG, CONTINUE". The former stops the reading pro-
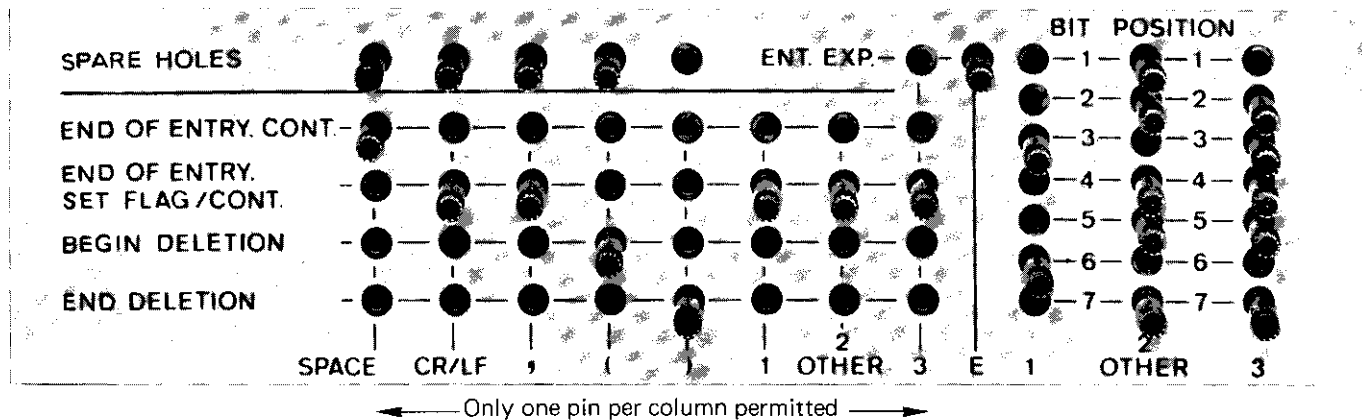
cess and commands the calculator to continue in its program. The latter stops the reading process, sets a flag and then commands the calculator to continue in its program.

In addition to these commands the tape reader can be programmed to ignore specific areas of the tape. A "BEGIN DELETION" character on the tape tells the tape reader to continue reading but to ignore all following data until an "END DELETION" character is encountered. These can be any ASCII or ISO character.

Programming either the letter "E" or any other pre-selected ASCII or ISO character for an "ENTER EX-PONENT" character allows the numerical data following this character to be read into the calculator as an exponent to the base 10.

NORMAL mode. This mode applies only when the 9863A is coupled to the Model 10 calculator of the Series 9800. In this mode the 9863A reads ASCII or ISO characters and transfers them to the 9810 calculator as programming instructions. Total keyboard programming of the 9810 calculator is possible, including decimal settings, program mode, magnetic card load and record.

Patchboard

									BIT POSITION
SPARE HOLES					ENT. EXP. →				—1— —1—
									—2— —2—
END OF ENTRY. CONT.									—3— —3—
END OF ENTRY. SET FLAG/CONT.									—4— —4—
BEGIN DELETION									—5— —5—
									—6— —6—
END DELETION									—7— —7—
	SPACE	CR/LF	,	(	)	1 OTHER 3	E	1	OTHER 3

←——— Only one pin per column permitted ———→

Mode Switch

DATA [□■] NORMAL situated below patchboard.

Manual Reader Control. The FREE position of the 3-position manual control lever disables calculator control of the reader and opens the tape feed for inserting and removing the tape. The STOP position disables calculator control of the reader and stops tape reading. The START position enables calculator initiated reading of the tape.

SPECIFICATIONS

SPEED 20 characters per second.

CODE Reads ASCII/ISO eight level code. The eighth (parity) bit is ignored. Other codes by special order.

TAPE Tape is 1 inch (25.4 mm) wide.
Tape is fed from a cassette located at the rear of the tape reader. The cassette holds a roll of tape up to a diameter of 3 inch (76.2 mm).
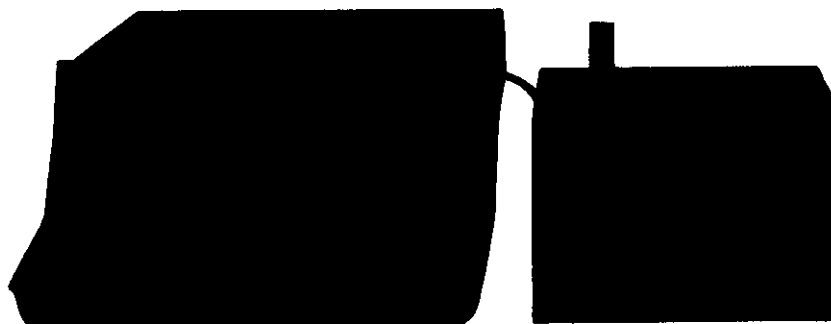
GENERAL

Temperature operating range: 0 to 45°C

Weight: Net 10.8 lbs (4.9 kg).

Power: 115/230V +10%, −22%. 48 to 440 Hz. 44VA max.

Dimensions: 5.5 in. high (14.0 cm); 11 in. wide (28.0cm); 8 in. deep (20.3cm).

SERIES 9800 CALCULATOR AND 9863A TAPE READER