HEWLETT [hp] PACKARD

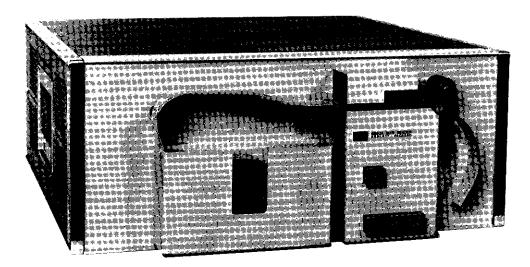# 9883A
Tape Reader Subsystem

(hp)
museum

9883A Tape Reader

DESCRIPTION

The HP 9883A is a high-speed tape reader subsystem for use with 9800 Series programmable calculators. Standard one-inch paper, mylar, or plastic tapes punched on tele-typewriters or other tape punches can be read by the 9883 at speeds up to 500 characters per second. The 9883 can read both oiled and opaque punched tapes without any adjustments. Both data and programs can be entered into the calculator by using the appropriate Read-Only Memories (ROM's). Refer to ROM Table.

FEATURES

* Interface for use with 9800 Series calculators
* Reading speed to 500 characters/second
* Reliable reading of both opaque and oiled tape without adjustment
* Simple operation and rugged construction for long product life

SPECIFICATIONS

Technical

Speed:	Up to 500 characters/sec
Code:	8-level (Other codes can be read; see the ROM Table.)

Tape Width:	25,4 mm (1 in)
Tape Material:	Any tape material with less than 60% transmissivity
Start Time:	< 6 msec
Stop Time:	< 500 μsec (stops on character)

Physical

Power Requirements:	240 W
Voltage Range:	115 V AC ± 10%
	220 V AC ± 10% (Option 001)
Frequency Range:	60 Hz ± 5%
	50 Hz ± 5% (Option 001)
Weight:	19,1 kg (42 lb) net
	25,0 kg (55 lb) shipping
Height:	178 mm (7 in)
Width:	432 mm (17 in)
Length:	406 mm (16 in)

Environmental

Operating Temperature Range:	0° C - 55° C ambient
Relative Humidity:	95% at 40° C

READ-ONLY MEMORIES

To control the 9883, one of the following Read-Only Memory blocks (ROM's) must be installed in the calculator.

Summarized below are some of the commands needed to input data and programs into various calculators.

CALCULATOR	ROM	COMMAND SEQUENCE	REMARKS
9810A	Peripheral Control (HP 11264A)	[FMT] [3] [Select Code] [.]	Input numeric data (ASCII).
	Peripheral Control II (HP 11252A)	[FMT] [3] [Select Code] [.]	Input numeric data (ASCII).
		[FMT] [6] [Select Code] [x←( )]	Input binary data.
		[FMT] [3] [Select Code] [GO TO]	Input program data.
9815A	General I/O Interface (HP 98134A, Opt. 083)	[CALL -/ALPHA-] [select code] [B]	Input numeric data (ASCII).
		[CALL -/ALPHA-] [select code] [G]	Input binary data.
		[CALL -/ALPHA-] [select code] [L]	Input program data.
9820A/ 9821A	Peripheral Control I (HP 11220A)	[READ] RED select code, register names	Input numeric data (ASCII).
	Peripheral Control II (HP 11224A)	[READ] RED select code [.format number], register names	Input numeric data (ASCII), using format control.
		[READ BYTE] RDB select code [→ register name]	Input binary data.
9825A	General I/O (HP 98212A or 98213A or 98214A)	red select code, register names	Input numeric data (ASCII).
		red select code [.format number], register names	Input numeric data (ASCII) using format control.
		rdb (select code), register names	Input binary data.
9830A	Extended I/O (HP 11272B)	ENTER (select code, format number) A, B, C	Input numeric data (ASCII).
		A=RBYTE select code	Input binary data.
		ENTER (select code, format number) A$	Enter alphanumeric characters.†
		PTAPE select code	Input BASIC programs. For codes other than ASCII, code conversion can be used. (Refer to ROM manual.)

†Requires Strings ROM (HP Part 11274B).

ORDERING INFORMATION

Options Required

The 9883 must be ordered with one of the following:

Opt. 010	9810A Calculator Interface
Opt. 015	9815A Calculator Interface
Opt. 020	9820A Calculator Interface
Opt. 021	9821A Calculator Interface
Opt. 025	9825A Calculator Interface
Opt. 030	9830A Calculator Interface

Option Available

Opt. 001   220 V AC, 50 Hz

OPERATING SUPPLIES

Shipped with each unit:

Interface Cable for 9800 Series Calculators
Operating and Service Manuals
Tape Reader Diagnostic Tape (prepunched)
Power Cord (The appropriate power cord will be supplied based on the origin code of the sales order.)

PURCHASE PLANS

Contact one of the Hewlett-Packard worldwide sales and service offices for specific prices and plans in your area.

MAINTENANCE AGREEMENTS

Maintenance agreements are available for all calculator products. Current U.S. rates are to be found in the Maintenance Service and Prices publication, Part Number 5952-2432D. These agreements represent HP's best level of support. Major advantages to the customer include:

- Fixed annual cost,
- Priority service response,
- On-site service,
- Regular maintenance,
- A complete package tailored to the customer's needs.

*Data subject to change.

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