

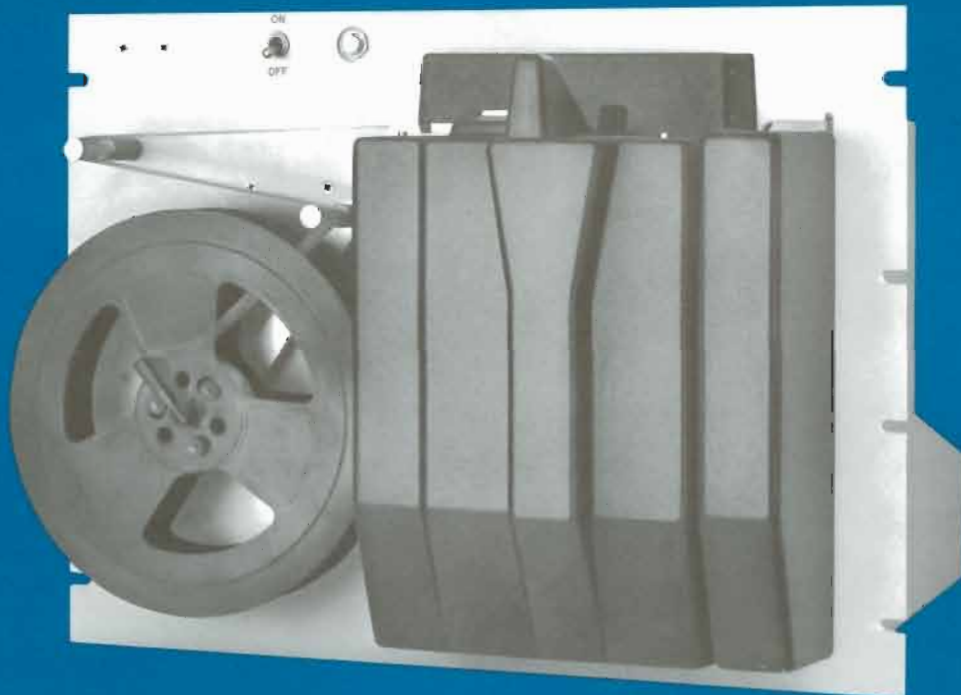
2753B High Speed Punched Tape Output

Features

- Punches tape at 120 characters per second
- Easily installed with all HP computers
- Software supplied for DOS, MTS, RTE, BCS, and SIO drivers
- Assembly, FORTRAN, and ALGOL software compatible
- Supply and take up reel capacity of 1000 ft.



The HP 2753B permits you to easily add the convenience of a High Speed Punched Tape output to your HP computer system. The increased speed and convenience is readily appreciated by greatly reducing your program assembly and compilation time. Your intermediate assembly and compilation tapes can be punched and loaded much faster, giving you greatly improved system throughput rates. The hardware includes a tape punch, a single interface card which plugs into any I/O slot in the computer, plus an interconnect cable between the interface card and tape punch. Adding a High Speed Tape Punch Output is quick and easy — merely mount the unit, plug in a single interface card, and connect a cable. The software provided may then be loaded into the computer and the unit is ready for immediate use. The software includes subroutines to simplify programming of punch output operation plus a binary tape for complete diagnostic checkout of the interface card and the tape punch.



Programming

The High Speed Punched Tape Output may be programmed in Assembly language, FORTRAN, and ALGOL. Programming the unit is easy because Hewlett-Packard supplies all the necessary software. Two types of drivers are included in the utility software supplied. The System Input/Output (SIO) Tape Punch Driver permits data transmission without interrupt control; the Basic Control System (BCS) Tape Punch Driver is for data transmission under interrupt control. Drivers are also available for operating software such as Disc Operating Systems (DOS), Magnetic Tape Systems (MTS), or Real-Time Executive Systems (RTE). A sample FORTRAN statement is:

FORTRAN PROGRAMMING

```
WRITE      (unit, format) List1
WRITE      (unit) List2
```

¹For ASCII records

²For binary records

EXAMPLE: Punch the values of variables X, Y, Z.

```
WRITE      (4,100) X, Y, Z
100 FORMAT (3F10.4)
```

Specifications

PUNCHING SPEED

To 120 characters per second

TAPE DIMENSIONS

Guides can be interchanged to accept 1-inch (8-level), 7/8-inch (7-level), or 1 1/16-inch (5-level) tape.

REEL CAPACITY

1000 feet on 1/2-inch reel. (Approximately 16 minutes of punching at 120 characters per second.)

OPERATING CONDITIONS

Ambient Temperature: 10° to 40°C (50° to 104°F)

Relative Humidity: 20% to 80%

(Limits imposed by paper tape)

INPUT POWER REQUIRED

115V ±10%, 60 Hz, or 230V ±10%, 50 Hz, 450W
(Specify 2753B-001 Tape Punch for 230V, 50 Hz operation)

ORDERING INFORMATION

2753B Tape Punch: Includes AC power cable, 7 1/2 ft. and 7 rolls of 1-inch paper tape, 1000 ft. per roll, and lubrication kit

2753B-001 230V, 50 Hz operation

2753B-002 Mounting option for HP 2866A and 2992Z cabinets

12597A-003 Interface Kit, consisting of tape punch interface card, interconnecting cable, and all necessary software for operation with the appropriate HP 2100-Based Computer System.

Tape Punch Test — Binary Tape, Accessory No. 20409C

Extra Paper Tape (Order by Part No.; appropriate discount for large quantities) 1-inch Paper Tape, 1000 foot roll, Part No. 9280-0063

Interface Power Requirements for 2100-Series Computers

0.05A (+12V); 0.02A (-12V); 0.05A (-2V);

0.75A (+4.5V)



For more information, call your local HP Sales Office or East (201) 265-5000, Midwest (312) 677-0400, South (404) 436-6181, West (213) 877-1282.
Or, write: Hewlett-Packard, 1501 Page Mill Road, Palo Alto, California 94304
In Europe, 1217 Meyrin-Geneva, Switzerland.
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