2749B
Teleprinter
Terminal

Features

- **EIA Standard RS-232 C coupling for data set operation**
- **Full duplex, 110 baud**
- **Time meter**
- **Pedestal mount**
- **ASCII code, even parity over 8 bits**
- **Alpha "O" and numeric "Ø"**
- **X-ON/ X-OFF-activated paper tape reader**
- **Automatic paper tape punch**
- **Automatic answer back**
- **Completely integrated for use with the HP 2000 Series**

The HP 2749B satisfies the basic need for communication with the HP 2000 series computer. The teleprinter combines a keyboard (similar to a typewriter), tape reader and tape punch in a single unit, and is suitable for standard duty (intermittent operation).

Data input to the computer can be made by means of a keyboard or punched tape. Tape sending and receiving can be manually or automatically (computer) controlled with simultaneous printing of local copy for visual reference. Tape can also be punched off-line with local printed copy. A coupling unit provides necessary voltage levels for connection to a data set.
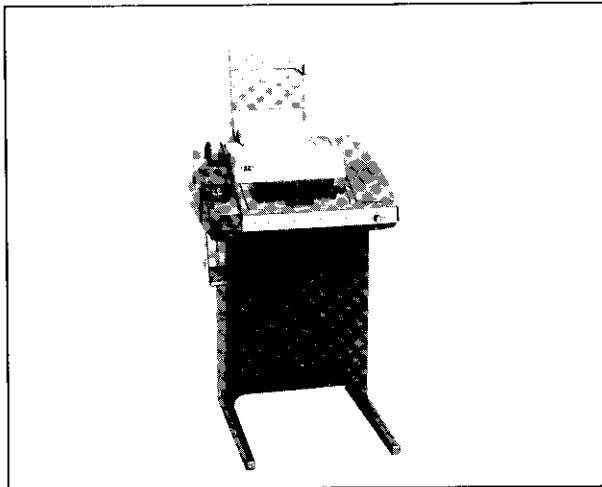
Computer data output can be received at the terminal as printed copy with or without punched tape. An answer-back feature permits a called station to automatically identify itself.

Specifications

DATA TRANSFER
Full duplex, 10 cps, 110 baud, serial asynchronous, even parity over 8 bits, 11 unit code (1 start bit, 8 character bits, 2 stop bits)
EIA standard RS-232C interface, includes coupler for data set connections

PRINTING SYSTEM
Impact printer using a cylindrical typewheel; standard typewriter ink ribbon
Character set: 63 printable characters. ME typewheel and DSL keytop (ASR 33 keyboard) with key interlock. Lower case ASCII code causes upper case to be printed

Print positions (line length): 72 characters. Signal bell at approximately 61st and 71st column
Horizontal spacing: 10 characters per inch (2.54 cm)
Vertical spacing: 6 or 3 lines per inch
Platten: Friction feed
Forms: Original and 1 carbon copy possible (roll paper, 400 ft. length), approximately 8.5 inches (21.6 cm) wide
Typing speed: 100 words/minute (maximum)
Tape punching and printing speed: 10 cps

TAPE PUNCH AND READER
Manual or automatic operation

TAPE CODE
8-channel on 2.54 cm (1-inch) tape

TAPE TYPE
Oil-base stock, 0.10 mm (0.004 inch)

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POWER REQUIREMENTS

15A (start-up surge — maximum), 3A (running) at 115V ± 10%, 50 or 60 Hz ± 3/4%, single phase. 1.5A at 230 ± 10%, 50 Hz ± 3/4%, single phase. Power consumption 250 watts, nominal. Conforms to UL and CSA requirements.

ENVIRONMENTAL CONDITIONS

Operating Temperature: −40° to +65°C (−40° to 150°F)
Relative Humidity: 90% maximum at 38°C (100°F)
Heat Dissipation: 195 kilocalories/hr (775 BTU/hr)

PHYSICAL CHARACTERISTICS

Width: 55.9 cm (22 inches)
Height: 21.6 cm (8½ inches); with pedestal: 83.8 cm (33 inches)
Depth: 47 cm (18½ inches)
Weight: 34.7 kg (77 lbs) includes pedestal
Shipping Weight: 41.8 kg (92 lbs) includes pedestal

ORDERING INFORMATION

2749B Teleprinter Terminal, 72 column, friction feed. Includes pedestal, running-time meter, chad box, copy holder, paper shaft and tape spools; and appropriate signal and power cables. Also included are the following operating supplies: one roll printer paper, one roll paper tape, lubrication kit.

Unit requires 12531C-001 interface kit for operation with 2100 series computers.

2749B-001: Same as above except 230V; 50 Hz operation.

OPERATING SUPPLIES AVAILABLE

Paper, Roll 21.6 cm (8.5 inches wide), 94 m (370 ft long)
HP Part No. 9280-0046

Paper, Tape 2.54 cm (1 inch wide),
304.8 m (1000 ft long)   HP Part No. 9280-0063
Lubrication Kit   HP Part No. 5080-6610
Paper Tape Winder, 115V/230V/Battery, includes rechargeable battery   HP Part No. 12575C

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