

APPENDIX A -- SPECIFICATIONS

A.1 SPECIFICATIONS

Mechanical

| | |
|--------|----------------------|
| Height | 5.5 in. (14 cm). |
| Width | 14.75 in. (37.5 cm). |
| Depth | 17.00 in. (45.1 cm). |
| Weight | 12 lbs (5.44 kg). |

Environmental

| | |
|-------------------|------------------------------------|
| Temperature | 32 to 120 deg. F (0 to 50 deg. C). |
| Relative Humidity | 0 to 95%, noncondensing. |

Electrical

| | |
|--------------------|------------------------|
| Input Voltage | 115 or 230 V ac. |
| Frequency | 50-60 Hz. |
| Power Consumption | 150 VA. |
| Sustaining Battery | 3V Lithium "coin-type" |

Interface

| | |
|-----------------|--|
| Types | RS-232-C (V.24) and current loop. |
| Protocols | Asynchronous, synchronous byte-controlled (BSC, IPARS, or similar protocols) Synchronous bit-oriented (SDLC, HDLC, or similar protocols) Isochronous (async data with external clock). |
| Codes | ASCII, EBCDIC, Baudot, IPARS, Selectric, EBCD, and SBT. |
| Data Rates | 50 bps to 56 kbps full duplex. |
| Monitoring | 50 to 9600 bps. |
| Polling | 50, 75, 100, 110, 134.5, 150, 200, 300, 600, 1200, 1800, 2400, 4800, 9600, and 19,200 bps; |
| Internal speeds | |
| External clock | X1 and X16 bps. |

Display

| | |
|------------------|---|
| Type | CRT, 5-in diagonal. |
| Size | 512 or 1024 characters (16x32 or 16x64). |
| Display Modes | Line multiplex (with and without pad); Time multiplex DTE only and DCE only. |
| Video Attributes | Bright, normal, and dim intensities; Normal (white on black background) and reverse (black on white) characters; Blinking, underline, and cursor. |

APPENDIX A

EIA Line Monitor Display

Test Points

12 tri-state LEDs monitor line status; Red-Mark, Green-Space, Off-Inactive.

21 connections to monitor EIA circuits;

1 clock input;

1 signal ground;

2 +12V dc (spacing) output;

2 -12V dc (marking) output;

1 programmed EIA output;

2 external inputs (transition detectors).

Memory

CPU Memory

4k byte CMOS RAM*

Firmware Memory

64k byte PROM.

Video Buffer

2k byte RAM.

Capture Buffer

16k bytes CMOS RAM* (8 K data, 8 K status)

Other Memory

4k bytes CMOS RAM*.

*24k bytes CMOS RAM receive power from sustaining battery in the absence of ac power.

Software

Event Counters

30, up to 65,535 (64k) counts each.

Event Timer

2, up to 64k seconds each.

Trapping

EIA lead status and/or up to 3 patterns on each side (up to 24 characters per pattern)

Block Checking

BCC polynomials, Characters CRC-16, CRC-6, CCITT-16, VRC/LRC.

Bit Error Rate Test

Transmit, receive, and loopback; sync and async protocols.

Printer output

All codes (listed under "Interface," above); all internal rates; no parity, 2 stop bits

Interactive Polling

All protocols except DDCMP.

Video Interface

Sync Output

Composite, 1 V p-p into 75 ohm load, negative.

Horizontal Frequency

15.75 kHz.

Vertical Frequency

50 or 60 Hz, selectable.

Horizontal Pulse Width

5.2 us.

Vertical Pulse Width

1.0 ms.

Horizontal Scan to

64/32.

Retrace Ratio

17/5.

Vertical Scan to

Retrace Ratio

Color Outputs

Red, Green, And Blue; 1V p-p into 75 ohm load.

A.2 OPTIONS AND ACCESSORIES

The following options and accessories are available for the Model 801B. Part numbers are given in parentheses

- o Rack Mounting Kits. Two rack mounting kits are available that permit mounting the monitor in 19- and 23-inch racks.
 - (a) 19-inch Rack Adapter: (8220-0034-54).
 - (b) 23-inch Rack Adapter: (8220-0034-55).
- o Padded Lightweight Field Case. A molded plastic, padded, light weight field case (1403-0003-67) provides limited protection for the monitor during transit.
- o Heavy Duty Shipping Truck. A fiberglass, heavy-duty, shipping trunk (1403-0001-00) provides protection for the monitor during shipping.
- o Rs-232 Cable Assembly; 6 feet long, Bisex to Bisex (6010-0004-46)
- o Extra Operating Practices: (4200-0801-03)