



entry level
smart
terminal

FEATURES: Status Line • Baud Rates Up to 19,200 • Addressable Cursor • 14 Key Numeric Pad • Line Drawing Capability • Self Test • Time-of-Day Clock • Read Terminal Status • Line Lock

The DM10 is a microprocessor based smart terminal for use in those applications that require more capabilities than typically found in the dumb terminal. Extensive capabilities like those featured above, plus a 25th status line, sets the DM10 apart from the great majority of the low end smart terminals in the market today.



**MODEL
DM10**

SPECIFICATIONS

DISPLAY FORMAT

24 lines x 80 characters

STATUS LINE

25th line of display

CRT SIZE

12" measured diagonally

CHARACTER SIZE

Approximately 0.2" high x 0.1" wide

CHARACTER TYPE (Alphanumeric)

128 displayable ASCII characters, each formed within an 8 x 8 dot matrix. Descenders on lower case characters.

CHARACTER TYPE (Line Drawing)

Eleven graphic symbols for drawing forms and contiguous lines

CHARACTER GENERATION

MOS ROM

REFRESH RATE

50 Hz - 60 Hz (Programmable)

REFRESH MEMORY

MOS RAM

CHARACTER DISPLAY

Light characters on a dark background or dark characters on a light background (switch selectable).

TABULATION

Fixed tab stops occur each eight character positions

CURSOR

Non-destructive blinking block

LINE LOCK

The host CPU may selectively designate reserved display lines.

MEMORY ADDRESS POINTER

An invisible cursor that is used to read and write to and from the display memory independent of visible screen functions.

CURSOR SENSE

Cursor position is transmitted to the host upon request

CURSOR ADDRESSING

Direct X-Y cursor positioning by line and column

MEMORY POINTER DATA SENSE

ASCII value of the character located at the memory address pointer

READ TERMINAL STATUS

A 27 byte status message reflecting switch setting, diagnostic results, communication protocol, etc.

SCROLL

When display memory is filled the bottom line data will scroll upward. Top down overwrite (roll) is switch selectable.

COMMUNICATIONS INTERFACE

Serial RS232C/Current Loop

TRANSMISSION RATE

Switch selectable 110 to 19.2K baud (EIA)
Switch selectable 110 to 9,600 baud (CL)

PARITY

Switch selectable, odd, even, mark or space

COMMUNICATION MODE

Full duplex

Half duplex

Echoplex

Asynchronous only

OPERATIONAL MODES

Conversational: Character by character transmission

Local: Off-line display data entry

Line Monitor: Displays all ESC codes and control code sequences

TERMINATION CHARACTER

Switch selectable CR, EOT, CR LF, ETX

TIME OF DAY CLOCK

A clock that may be set by the host CPU or operator

CPU MESSAGE DEPOSIT

An 80 character message buffer holds host CPU data and prints "MSG WAIT" on status line for operator recovery

ERROR INDICATORS

Status line messages reflecting self test error either through host CPU control, operator initiated, or upon power up

BELL

Audible alarm upon receipt of control G or as the cursor passes through the 72 character location when data is being entered from the keyboard. The continuous alarm on/off feature is included

KEYBOARD

A 61 key ANSI compatible TTY/Typewriter compatible layout featuring auto repeat, two key rollover, alpha lock and lower case inhibit. Also includes a 14 key numeric pad with associated field termination control keys.

INPUT VOLTAGE AND FREQUENCY

115 VAC±10% 60 Hz

ENVIRONMENTAL SPECIFICATION

Altitude: Sea level to 10,000 feet

Temperature: 0°C to 40°C

Humidity: 10 to 80% (Non-condensing)

TERMINAL SIZE

18" W x 13" H x 22.5" D

TERMINAL WEIGHT

43 lbs. (Approximate)

TERMINAL FINISH

Textured

OPTIONS

- 230 VAC±10% 50 Hz
- Composite Video

SPECIFICATIONS SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTICE

SALES OFFICES

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