FEATURES: Editing • Buffered Transmission • Extended Formatting Capabilities • Block and Character Transmission • Buffered Auxiliary Port • Extended Function Keys

The DM20 is a microprocessor controlled buffered video display terminal with editing and other enhancements to address both interactive and batch mode markets.

It finds applications where data transmission can be selectively designed as conversational, line, message page. Operational characteristics are enhanced by the addition of local and line monitor modes. The forms mode allows the operator to prepare a form with specific visual and logical attributes on the display screen, and then transmit it to a host computer or auxiliary device.

multi-function smart terminal

MODEL DM20
The DM2S is a DM20 with socket provision for OEM applications. The DM 'S' Series offers as standard both synchronous and asynchronous I/O capability.

For those applications similar to the DM20 that require special protocols (firmware), the DM2S is your answer. You may develop your own firmware or have it developed by Beehive.

SPECIFICATIONS

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 30 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

EDITING OPERATIONS
Insert/Delete on a character or line basis plus tab, back tab, backspace and character overwrite. The clear entry (CE) operation will erase the field the cursor is in and position it at the beginning of the same field while in a protected mode of operation

ERASE FUNCTIONS
Erase to end of page
Erase to end of field (protected)
Erase to end of line (unprotected)
Clear variable data
Clear all data

COMMUNICATION INTERFACE
Serial RS232C/Current Loop

TRANSMISSION RATE
19.2K XON XOFF protocol
Switch selectable 110 to 9600 baud (EIA)
Switch selectable 110 to 9600 baud (CL)

PARITY
Switch selectable, odd, even, mark, or space

COMMUNICATION MODE
Full duplex
Half duplex
Echopax
Asynchronous only

OPERATIONAL MODES
 Conversational: Character by character transmission
 Line: Line at a time transmission
 Page: Full or partial page transmission
 Forms: Allows for operator or host CPU building of formatted display
 Local: Off-line display data entry
 Line Monitor: Displays all ESC codes and control code sequences

TERMINATION CHARACTER
Switch selectable CR, EOT, ETX, CR LF

TIME OF DAY CLOCK
A real time 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 reflect operator error and system status

BELL
Audible alarm upon receipt of control G or as the cursor passes through the '72nd 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. The sixteen programmed function keys, cursor control keys, and system mode on control keys are included

AUXILIARY INTERFACE
A serial bidirectional interface that has a character buffer on both the send and receive lines. Transparent printing, communications control, as well as independent baud rates are standard

SELF DIAGNOSTICS
 Either through host CPU control, operator initiated, or upon power up

INPUT VOLTAGE AND FREQUENCY
115 VAC ± 10% 60 Hz

ENVIRONMENTAL SPECIFICATIONS
 Altitude: Sea level to 10,000 feet
 Temperature: 0°C to 40°C
 Humidity: 10 to 80% (Non-condensing)

TERMINAL SIZE
19” 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

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