**a family of VIDEO DISPLAY TERMINALS for OEM PLANNING**

**MICRO®**

**MODEL DM10**

**Low Cost/Feature Enhancements**

- Status Line
- Self Test
- Read Status
- Line Drawing
- 128 ASCII Character Set
- 14 Key Numeric Pad
- Time-of-Day Clock
- Detachable Keyboard

Beehive International's DM10 is an 8085A microprocessor controlled terminal offering numerous user oriented features: fixed tab stops occur every character position; switch selectable scroll/non-scroll mode; and a non-destructive blinking cursor. The line drawing capability allows for the creation of graphic displays using the vertical and horizontal line feature. The "25th" status line is used extensively by the DM10 system firmware to display modes of operation, error messages, communication protocol data, and a time-of-day clock as well as a status message showing optional switch configurations.

**MICRO®**

**MODELS DM1S, DM2S, DM3S**

**Flexible Applications Oriented**

Beehive's socketed products are capable of being tailored to a multitude of markets. The unique concept of the socketed Micro Bee makes it one of the more versatile, flexible products on today's market. It is a flexible terminal whose socketed design accommodates a variety of emulation packages...packages purchased from Beehive, or custom generated software for special applications.

The basic terminal configuration comes with 4K of RAM plus sockets available for additional RAM population. Other configurations allow to 12K of RAM. Program sockets allow a maximum population of 12K of ROM. ROM locations are not populated. The auxiliary port, character generator and a line drawing generator are socketed/populated. The DM "S" series offers full communications capabilities with a standard RS232C/Current Loop main port in addition to the bidirectional serial auxiliary port. The empty RAM/ROM sockets allow for the expansion capabilities of the terminal to meet a wide variety of product applications.

Beehive offers standard emulators for the DM1S product: DEC VT52™, Microdata Prism™, Data General Dasher™, and Beehive's own DM1A™. Population of the devices will vary according to the selected emulation package and/or Micro Bee "S" version.  

**OPTIONS**

- 12" P42 Green Phosphor Monitor
- 230 VAC ±10% 50 Hz
MICRO.B
MODEL DM1A
Expanded Function Capabilities

- Function Keys
- Auxillary On/Off Key
- Bidirectional Auxiliary Port
- Single Key Memory Lock
- Single Key Attribute Control
- Detachable Keyboard
- Protected and Unprotected Fields: Logical Numerical
- Alphanumeric Attributes
- Modified Data Transmission
- XON and XOFF Protocol
- Buffered Transmission
- Editing
- Self Test
- Memory Lock
- Buffered Auxiliary Port
- Line Drawing
- Status Line
- Function Keys

The expanded conversational DM1A incorporates all the features of the DM10 plus editing and other added enhancements to address both interactive and batch mode markets.

For example, data transmission can be selectively designated as conversational, line, message or 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.

A bidirectional buffered serial auxiliary port, fixed tabs, clear entry function, time-of-day clock, 128 ASCII characters with descendents on lower case characters, invisible cursor, CPU message deposit, line monitor mode, CPU line lock, and transparent printing are standard. A variety of significant field attributes are available and enhance data entry capabilities of the terminal. The DM20 keyboard has two rows of half-size keys located above the standard TTY/typewriter keyboard layout which include sixteen function keys, editing, cursor, and system mode/control keys. The invisible memory address pointer can be used to read and write to and from the display memory independent of visible screen functions.

OPTIONS: 12" P42 Green Phosphor Monitor
230 VAC ±10% 50 Hz

MICRO.B
MODEL DM20
Editing

- Buffered Transmission
- Editing
- Protected and Unprotected Fields: Logical Numerical
- Alphanumeric Attributes
- Modified Data Transmission
- XON and XOFF Protocol

In addition to incorporating all DM20 features, Beehive's new DM30 provides expanded display memory and a Centronics® plug compatible parallel printer interface as standard.

In its standard form, the DM30 provides a two page display memory, with scrolling and paging controls. Screen presentation is on 24 lines x 80 characters with the 25th line utilized as a status line providing prompts on the terminal and system modes, error messages and a real time clock. Editing and formatting facilities are provided throughout the display memory including selectable entry parameters for alpha, numeric, total, list, must fill, constant and modified mode. Twenty-one combinations of visual attributes are provided via non space consuming codes.

Communications facilities via the serial asynchronous RS232C, main and auxiliary ports are speed selectable via software or hard switches up to 19200 baud. Internal current loop is selectable on main port up to speeds of 9600 bps. An internal switch selectable protocol permits passing of data between ports at differing speeds while maintaining local data entry facilities for the operator. Standard communications facilities of the DM30 include conversational, line, page, block or message modes.

The DM30 contains many sophisticated user oriented features, such as the forms build and page dump facilities, permitting the user to locally generate formats and screens previously requiring system programming. All features standard to the Micro Bee product line such as cursor addressing, sensing, function keys, etc., are standard DM30 features.

OPTIONS: 12" P42 Green Phosphor Monitor
230 VAC ±10% 50 Hz

“Service is a part of product quality”

Meeting a challenge — quality products, properly serviced

Beehive International has a firm reputation for quality products. But, quality does not stop when a product is sold. Service for the customer is a major contributor to the solid reputation for quality that has been earned by Beehive.

You start off right with Beehive

All Beehive terminals undergo extensive testing and re-testing as part of stringent quality control measures specifically designed to eliminate any service problems that may be encountered through neglect or poor workmanship. Be assured, your terminal(s) incorporates latest state-of-the-art technology and is backed by a highly trained field engineering staff utilizing the most sophisticated service equipment available.

Beehive Service — where you need it . . . when you need it

East and west coast service depots and ten Beehive operated field offices are located in major metropolitan areas. These are complemented by over 400 Beehive Western Union supported field organizations strategically located to provide optimum turnaround time in any area within the United States. Beehive Europe, a subsidiary located in Amsterdam, The Netherlands, and distributors located in thirty-four countries service Beehive's product line on an international scale. No matter where you are located, your service problem remains a top priority and its immediacy is not diminished by geographical location.