



Model 1100 Display Terminal

PRODUCT DESCRIPTION

The Model 1100 is a high quality, human engineered display terminal for conversational mode applications. Eye-level viewing, light touch keyboard, hooded display viewing, and a large 9 by 12 character matrix are a few of the human engineered features of the 1100, which add up to reduced operator fatigue, fewer errors and increased operator throughput.

Screen capacity is a full 24 lines by 80 characters of data providing a 1920-character presentation. The 9 x 12 character matrix presents a highly readable flicker free upper and lower case character set with descenders on lower case letters. High quality sharp images are displayed throughout the screen viewing area.

High quality engineering allows the 1100 to operate fan free with convection cooling for totally noise-free operation.

Among the throughput enhancing features is a complete tabbing capability with the ability to set a tab stop in any column, easily controlled by the TAB and BACKTAB keys,

typomatic repeat for all keys allowing automatic 15-cps repeat of the selected code and a separate PRINT key to activate the optional printer interface. With the full screen buffer, this precludes the need to slow the data display to the speed of the printer.

Sensitive to programmers' needs, the Model 1100 has a built-in transparent mode. In this mode, the programmer has the advantage of viewing all data and control characters being transmitted by the processor without the inconvenience of control-character activation by the terminal.

FEATURES

- Large, Crisp 9 by 12 Character Matrix
- 1920 Character Display
- 128 ASCII Character Set
- Cursor Control
- Tab Function
- Full Display Buffer
- Optional Numeric Pad
- High Visibility Block Cursor

OPERATIONAL DESCRIPTION

The keyboard incorporates a complete 96 character USASII subset with a typewriter like arrangement for ease of operation.

The terminal can operate in half or full duplex mode with a RS232C interface or 20 ma current loop interface. Connection can be direct to the computer adapter or via a modem for remote applications. The terminal can operate at speeds to 9600 baud with easily accessible switch selection.

Data are presented from top to bottom of the display with the option to select automatic carriage return and line feed. If desired, the display can be operated in the scroll mode where line 24 is used as the entry line and data scrolled upward a line at a time.

A local printer can be attached to the display terminal via the optional RS232C or current loop interface port. Baud rates for the printer port range from 75 to 9600 baud. The keyboard PRINT key allows operator selection of the print function.

Complete cursor addressing and control is provided. The cursor can be positioned under program control or from the keyboard. Position sensing of the cursor is also possible under program control.

An impressive variety of local control keys provide total operator convenience. Basic functions such as Shift, Shift-lock, Repeat, Return, Backspace, Tab and Backtab are provided. Mode controls include Scroll Enable, New Line Enable, Auto Line Feed, Local Operation, Upper Case Only, Break, Here Is, Print and Clear All. Operator warning is provided by an audible buzzer operating at a 2,000 Hz frequency for one-tenth of a second.

OPTIONAL FEATURES

A numeric key pad consisting of 0 through 9, comma, and period is included in the M46-035 and M46-037 models for those exceptionally heavy numeric input requirements.

Although engineered for antiglare performance, exceptionally high candle power environments may be encountered. Again, the Model 1100 excels with its antiglare option.

SOFTWARE SUPPORT

The Model 1100 is supported with standard Interdata software when functioning in a teletypewriter mode. Current loop interface support is provided for Interdata's BOSS, OS/16 MT, and OS/32 MT operating systems. RS232C interface support is provided for OS/16 MT2 and OS/32 MT.

SPECIFICATIONS

Screen Size	12 inches (30.48 cm) diagonal
Screen Capacity	1920 characters

Number of Lines	24
Characters per Line	80
Character Generation	9 by 12 dot matrix
Character Code	128 ASCII
Refresh Rate	Line Frequency (50 or 60Hz)
Scan Method	Raster
Phosphor	P4 White
Cursor	Reverse video block
Data Entry	Cursor determined or bottom line scroll upward
Communication Interface	RS232C/CCITT-V24 or 20 ma current loop
Transmission Mode	Half or full duplex (switch selectable)
Baud Rates	75, 110, 200, 300, 600, 1200, 1800, 2400, 4800, 7200, 9600 (switch selectable)
Character Format	10 or 11 bits
Parity	Odd, Even, Mark, Space (switch selectable)
Stop Bits	One or Two (switch selectable)
Printer Interface	RS232C or 20 ma current loop (optional). Baud rates of 75, 110, 200, 300, 600, 1200, 1800, 2400, 4800, 7200 and 9600.

Dimensions

Height	19.5 inches (49.5 cm)
Width	21.5 inches (54.6 cm)
Depth	23.5 inches (59.7 cm)
Weight	50 pounds (22.7 kg) (shipping)
Power	115 VAC \pm 10%, 60 Hz 230 VAC \pm 10%, 50 Hz

Environmental

Temperature	0 to 45° C operating
Humidity	0 to 80%, no condensation

INTERDATA PRODUCT NUMBERS

M46-030	Model 1100 Display Terminal, Conversational mode 1920 character fully buffered display (24 by 80 characters) 128 character ASCII set, operates at speeds to 9600 baud via RS232C interface. 60 Hz.
M46-031	Same as M46-030. 50 Hz.
M46-035	Same as M46-030. Includes numeric keypad with 0-9, comma and period.
M46-037	Same as M46-031. Includes numeric keypad with 0-9, comma and period.
M46-055	Model 1100 Current Loop Line interface. A passive current loop line interface allowing the terminal to be used with standard Interdata active current loop interface modules. Operates at speeds to 2400 baud.
M46-033	Printer port for local hard copy device, RS232C direct communication.
M46-034	Printer port for local hard copy device, current loop direct communication.
M46-036	Antiglare Screen option for excessively high candle power environment.

The information contained herein is intended to be a general description and is subject to change with product enhancement.