

Products

A tough, alphanumeric microterminal for distributed networks communicates at rates from 110 to 19,200 baud.

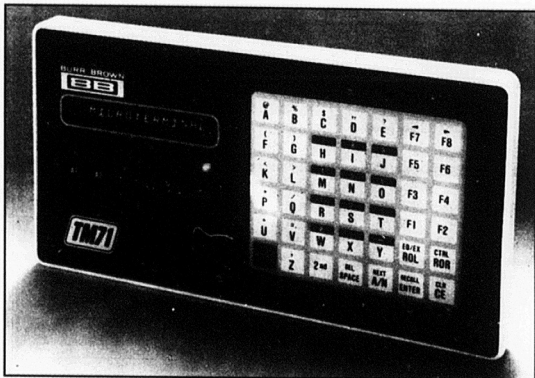
Compact computer terminal displays 16 characters

In environmental toughness, a new plastic microterminal has the edge on larger CRT-based and printing terminals. At $8.5 \times 4.5 \times 0.6$ in., the TM71 from Burr-Brown withstands 0 to 60°C, to 95% humidity (noncondensing). For distributed control and communications networks, it generates serial ASCII code over RS-232C/V.24 or 20-mA loop interfaces.

The second in its line (ELECTRONIC DESIGN, Oct. 25, 1979, p. 129), the TM71 shows improvements in several areas. The 0.16-in. red LED display has 16 alphanumeric characters instead of eight, seven-segment characters, and the keyboard is alphanumeric instead of numeric and hexadecimal combined. Selectable baud rates are expanded from two to eight: 110, 300, 600, 1200, 2400, 4800, 9600, or 19,200 bits/s.

The 42-key keyboard can be shifted to generate 52 characters and allows entry of messages up to 80 characters long. The sealed keyboard is dust and waterproof and has raised embossing and tactile feedback. The 16-character display can be scrolled horizontally to the left or right, permitting a cursor to insert or delete characters.

Two 80-character buffers back the keyboard. The output buffer holds messages during gener-



The TM71 microterminal combines a 16-character alphanumeric LED display with a 42-key keyboard that can generate 52 characters.

ation, review, and editing; the transmit buffer holds completed messages before they are sent to the host CPU. Two additional 80-character buffers accept messages from the CPU. The receiver buffer holds messages prior to transfer to the input buffer, from which the messages are displayed.

The display accepts CPU control of flashing or blanking options, and the keyboard can be locked out by the CPU. Two LEDs are independently controlled by the CPU, while four others indicate terminal status.

In addition to data-input and

control keys, the keyboard includes 14 programmable function keys. The functions can be controlled either by the host CPU or by a terminal-inserted EPROM.

The terminal has remote reset and two TTL-compatible outputs to control external equipment. Up to 15 terminals can be connected on the same serial interface. The terminal requires a single 5-V dc supply at 0.75 A.

The TM71 is priced at \$595 in quantities of one to nine. Deliveries are from stock.

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