



Features:

- ❖ ANSI 3.64 (VT-100) Compatibility
- ❖ Keys Programmable as Characters or Strings
- ❖ Advanced Control Mode (ACM)
- ❖ Programmable Display Characters
- ❖ Menu or host-driven User Parameter Selection
- ❖ Up to 57,600 bps Communications (9,600 bps without handshaking)
- ❖ Three (3) Year Warranty

Height: 8.25 inches (209.6 mm)
Width: 4.10 inches (104.1 mm)
Depth: 1.15 inches (29.2 mm)
Weight: 12 ounces (340 grams)
Case: Cylolac® ABS

ProTerm

hand held terminal ❖
 Unit depicted with custom graphics

Looking for a feature-packed, large screen hand held terminal? The **ProTerm** features a Liquid Crystal Display (LCD) with text and graphics capabilities, contrast control, an optional EL backlight, programmable display characters, and optional host controlled LED indicators (4). The exceptional size and clarity of the LCD makes the ProTerm ideal where long term readability is required. The ProTerm's two menu selectable display modes include 8 rows of 24 characters for the ultimate in readability or 16 rows of 32 characters for maximum display density making this terminal the ideal choice in a wide variety of applications.

The ProTerm is ultra-flexible! Screen viewing angle (contrast), display mode, key output definitions, and character definition features are changeable via menu selections and/or direct host control. The standard key release detection is a particularly useful feature for setting variables and for applications where motion control is essential. Available I/O configurations include RS-232 and RS-422, as well as standard CMOS/LSTTL logic levels. ANSI 3.64 (VT100) compatibility makes it the perfect hand held solution for existing products. For an increased level of safety when controlling a motion-oriented task on a robotic device, the ProTerm's host activated Advanced Control Mode (ACM) allows the host and terminal to monitor one another and react to event changes (host actions are dependent on host software).

Like all Two Technologies' products, the ProTerm is remarkably rugged. The case is molded from Cylolac ABS®, one of the most durable, chemical-resistant materials available today. Securely framed and clamped into place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. Keypad layouts include 45, 30, and 20 keys available with standard or custom graphics and 32 and 15 keys available with custom graphics.

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ProTerm Specifications

Display

- 192 x 128 Pixel Liquid Crystal Display • Standard: Supertwist Nematic • Optional: Backlit Supertwist Nematic
- Optional: Backlit Supertwist Nematic w/Extended Temperature • Dark Characters on Light Background
- U.S. ASCII Character Set • User or Host-selectable display format: 8 rows of 24 characters, 16 rows of 32 characters • Menu-Controlled contrast settings • Blinking and Inverse Video Attributes

Keys & Switches

- Type: Membrane or Elastomeric • Optional: Backlit Keypad • Standard or Custom layouts: 45-key (9 rows x 5 columns), 30-key (6 x 5) and 20-key (5 x 4) • Custom layouts: 32-key (8 x 4) and 15-key (5 x 3)
- Optional: 2 pole E-Stop switch with 'push-stop', 'turn-reset' operation

Interface

- Type: RS-232, RS-422 or CMOS/LSTTL level • Handshake: 2 lines (CMOS/LSTTL, RS-232) • Data Rates: 300 to 19,200 bps and 57,600 bps • Parity: Even, Odd, Mark, Space, None, Ignore • Control Bits: 1 start and 1-2 stop bits
- Connector: 6-pin female modular or permanent wire cable, in standard or custom configurations

Power

- Voltage: 5 VDC +/- 5% • 7.5-12 VDC* Linear Regulator • 9.5-28 VDC Switching Regulator
- Current: 55-65 mA (RS-232 and RS-422) • Some options require additional current (Example: Backlight adds 60 mA) *maximum voltage depends on current draw

Environment

- Storage temperature: -20° to +70°C, -30° to +70°C (w/Ext. Temp Display)
- Operating temperature: 0° to +50°C, -20° to +60°C (w/Ext. Temp Display) • Humidity: 5-95% (non-condensing)

User Selectable Options

- Key definitions (character or string): All keys, except SHIFT and CONTROL, 220 bytes non-volatile definition storage • ACM (Advanced Control Mode), N Key Rollover KNP (Key Not Pressed) with unique Release codes 'SHIFT' and 'CTRL' Disable • Programmable Display Characters (Stored in volatile memory) • Baud Rate, Data Bits, Parity, Stop Bits • Display Parity Error, Cursor, Cursor Blink • Enable/Disable Hardware handshaking, XON/XOFF • Enable/Disable Echo • Escape Modes: Private and ANSI • Display Contrast (viewing angle)
- Key repeat, Click, Release Detection, Character Size, Enable/Disable Break • Menu Mode Selection

Custom Options

- Displays • Default Settings • Keypad Graphics • I/O Interface • Firmware • E-Stop Switch • Logos
- Case Color • LED Indicators (4) • Backlit Keypad

Certifications

- FCC-Part 15 Subpart B Class A • CENELEC EMI Standards- EN55022:1998 (CISPR22, Class A), EN55011 (CISPR11, Class A) • CENELEC EMC Standards- EN50082-1:1997 General Immunity Part 1, EN55024:98 (CISPR24:1997) • CENELEC SAFETY Standard EN60950

*standard configuration product used in testing

Dimensions

