



# TechTerm®

## Handheld Terminal

Unit depicted with custom graphics

### FEATURES

- Low cost, rugged hand held terminal
- Membrane or Elastomeric Keypad
- 15 Programmable Function Keys Maximum (Single Character Maximum)
- Battery Powered Available
- Up to 9,600 bps Communications
- Menu or host-driven User Parameter Selection
- Three (3) Year Warranty

### DIMENSIONS

- Height: 7.15 inches (181.6 mm)
- Width: 4.10 inches (104.1 mm)
- Depth: 1 inch (25.4 mm)
- Depth with battery: 1.65 (41.91 mm)
- Weight: 8 ounces (227 grams)
- Weight with battery: 18 ounces (510 grams)
- Case: Cycolac® ABS with retractable hanger

Looking for a low-cost, flexible handheld terminal? Specifically designed for industrial applications, the **TechTerm** is a rugged and fully functional ASCII terminal. Menu-programmable function keys will store up to a total of fifteen selected characters. Your equipment can be used to directly control the terminal using private escape sequences, including cursor movement, appearance, key "click", and several different distinct signal tones from the built-in speaker. Function key definitions and operating parameters are stored in non-volatile memory. Available I/O configurations include RS-232 and RS-422 as well as standard CMOS/LSTTL logic levels. If you do not want to rely on line-power, an optional rechargeable battery or the ability to use commercially available alkaline batteries are both available. A unique built-in retractable hanger provides the ability to easily hang the terminal (line-powered only).

Like all Two Technologies' products, the TechTerm is remarkably rugged. The case is molded from Cycolac ABS®, one of the most durable, chemical-resistant materials available on the market today. Securely framed and clamped in place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. Standard keypad layouts include 45 or 30 keys. Custom keypad configurations as well as custom graphics are available.



<b>DISPLAY</b>	<p><b>Standard:</b></p> <ul style="list-style-type: none"> <li>• Reflective/Transreflective Twisted Nematic Display</li> <li>• 4 Lines x 20 Characters</li> <li>• Dark Characters on Light Background (except VFD)</li> <li>• U.S. ASCII Character Set (Latin 1 or European optionally available)</li> </ul>	<p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• Supertwist Nematic Display</li> <li>• Supertwist Backlit Nematic Display</li> <li>• LED Supertwist Backlit Nematic Display (line-powered units only)</li> <li>• Vacuum Fluorescent Display (line-powered units only)</li> <li>• Extended Temperature VFD (line-powered units only)</li> </ul>
<b>KEYS &amp; SWITCHES</b>	<p><b>Standard:</b></p> <ul style="list-style-type: none"> <li>• 45-Key or 30-Key</li> <li>• Membrane or Elastomeric</li> <li>• Feedback: Tactile and Audible</li> </ul>	<p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• Backlit (line powered units only)</li> <li>• Phosphorescent (45-key elastomeric units only)</li> <li>• Backlit Phosphorescent (45-key line-powered units only)</li> </ul>
<b>INTERFACE</b>	<ul style="list-style-type: none"> <li>• RS-232, RS-422, CMOS/LSTTL Level</li> <li>• Handshake: 2 lines (RS-232)</li> <li>• Data Rates: 300 to 9,600 bps</li> </ul>	<ul style="list-style-type: none"> <li>• Parity: Even, Odd, Mark, Space, Ignore</li> <li>• Data Bits 7 or 8</li> <li>• Connector: 6-Pin Female Modular (optional permanent or custom cable configurations available)</li> </ul>
<b>POWER</b>	<ul style="list-style-type: none"> <li>• 5 VDC Regulated +/- 5%</li> <li>• 7.5-12 VDC Linear Regulator (maximum voltage depends on current draw)</li> <li>• 9.5-28 VDC Switching Regulator</li> <li>• Current: 45-50 mA Nominal for RS-232 &amp; RS-422 (some options require additional current, e.g., backlight adds 50 mA)</li> </ul>	<p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• Nickel Metal Hydride Rechargeable Batteries or 6 AA Alkaline Batteries (not shipped with unit)</li> </ul>
<b>ENVIRONMENT</b>	<p><b>Nematic Displays:</b></p> <ul style="list-style-type: none"> <li>• Storage Temp: -20°C to +70°C</li> <li>• Operating Temp: 0° to + 50°C</li> <li>• Extended Temp: -20°C to +70°C</li> <li>• Humidity 5-95% (non-condensing)</li> </ul>	<p><b>Vacuum Fluorescent Displays:</b></p> <ul style="list-style-type: none"> <li>• Storage Temp: -20° to + 70°</li> <li>• Operating Temp: -20° to + 70°C</li> <li>• Extended Temp: -40° to + 85°C</li> <li>• Humidity 5-95% (non-condensing)</li> </ul>
<b>USER SELECTABLE OPTIONS</b>	<ul style="list-style-type: none"> <li>• 5 Function Key Definitions (one character per key)</li> <li>• Baud Rate</li> <li>• Data Bits</li> <li>• Echo</li> <li>• Display PE</li> </ul>	<ul style="list-style-type: none"> <li>• Repeat</li> <li>• Handshake</li> <li>• Parity</li> <li>• Self-Test</li> <li>• Power Saver (battery powered units only)</li> </ul>
<b>CUSTOM OPTIONS</b>	<ul style="list-style-type: none"> <li>• Keypad and Keypad Graphics</li> <li>• Default Settings</li> <li>• Case Color</li> </ul>	<ul style="list-style-type: none"> <li>• I/O Interface</li> <li>• Firmware</li> <li>• Logo Tag</li> </ul>
<b>CERTIFICATIONS</b>	<ul style="list-style-type: none"> <li>• FCC-Part 15, Subpart B Class A</li> <li>• CENELEC (in standard configuration): EMI Standards: EN55022 1998, (CISPR22, Class A), EMC Standards: EN50082-1 1997, General Immunity Part 1, Safety Standards: EN60950 2000, Safety of Information Technology Equipment</li> </ul>	

