

MP30

Rugged, Industrial Handheld COTS Terminal Used in Military Applications



Rugged, Operator Interface

The Termiflex MP30 has all the features that you would expect to find in a handheld terminal for military applications, and a few you might not. The MP30 is compact, lightweight, and sells at a fraction of the cost of comparable COTS terminals for military applications. If you need a rugged operator interface that can stand up to harsh weather and extreme temperature, consider the MP30.

Applications

- Man Packs
- Fire Control
- Ground Support
- Operator Interface
- Satellite Radio
- Nav Systems
- Transport Vehicles



Factory Set Options

- White Electroluminescent Backlight Display/Keypad
- Keyboard LED Indicators
- Interface Cable Configuration
- Custom Logo Graphics
- Custom Keypad Graphics
- Custom Serial Number Label
- Custom Optional Label
- Emergency Stop Switch
- Wide Range Power
- VFD 4x20 Display

Extensive Options

- Extended Temperature Operation
- Water Resistance
- EMI/RFI Operation
- Custom Cabling to your Specifications with choice of Vendor Preferred Connectors
- Custom Software and Default Settings
- 6, 16, 20, 30, 40 or 45-key sealed membrane keypad with tactile and audible response, and optional backlight

Accessories

- Carrying Case
- Rubber Protective Boot
- Mounting Bracket
- Hanging Clip



EMI / RFI



Sealed Case
Sealed Keyboard



COTS Military:
Option w/ E-stop and
Protective Boot/Armor



Key options for cold weather PPE

MP30

Standard & Optional Features	Specifications
<p>Display</p> <p>4x20 STN LCD <input checked="" type="checkbox"/></p> <p>4x20 VFD <input type="checkbox"/></p> <p>8x26 STN LCD <input type="checkbox"/></p> <p>EL Backlight <input type="checkbox"/></p> <p>Keypad</p> <p>6-key Membrane <input type="checkbox"/></p> <p>16-key Membrane <input type="checkbox"/></p> <p>20-key Membrane <input type="checkbox"/></p> <p>30-key Membrane <input checked="" type="checkbox"/></p> <p>40-key Membrane <input type="checkbox"/></p> <p>42-key Elastomeric <input type="checkbox"/></p> <p>45-key Membrane <input type="checkbox"/></p> <p>EL Backlight (membrane only) <input type="checkbox"/></p> <p>Interface</p> <p>RS 232 <input checked="" type="checkbox"/></p> <p>RS 422 <input type="checkbox"/></p> <p>Power</p> <p>+5 VDC ± 5% <input checked="" type="checkbox"/></p> <p>+8 to +28 VDC <input type="checkbox"/></p> <p>Cable/Connector</p> <p>Case-Mounted</p> <p>RJ-12 <input checked="" type="checkbox"/></p> <p>DE-9 <input type="checkbox"/></p> <p>DA-15 <input type="checkbox"/></p> <p>Integral Cable (10 ft, 3 m)</p> <p>6-conductor, coiled <input type="checkbox"/></p> <p>6-conductor, straight <input type="checkbox"/></p> <p>10-conductor, coiled <input type="checkbox"/></p> <p>10-conductor, straight <input type="checkbox"/></p> <p>Cable Connector</p> <p>DE-9P <input type="checkbox"/></p> <p>BD-25 <input type="checkbox"/></p> <p>Custom <input type="checkbox"/></p> <p>Environmental</p> <p>32°F to 122°F (0°C to 50°C) <input checked="" type="checkbox"/></p> <p>4°F to 158°F (-20°C to 70°C) <input type="checkbox"/></p> <p>Moisture Resistance <input type="checkbox"/></p> <p>Other Options</p> <p>E-stop Switch <input type="checkbox"/></p> <p>VFD 4x20 Display <input type="checkbox"/></p> <p><input checked="" type="checkbox"/> Basic Unit</p> <p><input type="checkbox"/> Optional*</p> <p>*Termiflex provides full customization service for OEM customers.</p> <p>Specifications are subject to change without notice.</p>	<p>CPU</p> <p>New Hitachi H8/300H CPU with 32-bit internal architecture</p> <p>16-bit general registers</p> <p>Optimized instruction set designed for speed</p> <p>On-chip flash memory can be added for user programming</p> <p>Display</p> <p>(STN LCD technology, dot matrix alphanumeric, 5x7 pixel characters, blue, on a light gray background)</p> <p>Character Size 4x20; 0.187"H x 0.116"W (4.8mm x 3.0mm)</p> <p>8x26; 0.120"H x 0.086"W (3.0mm x 2.2mm)</p> <p>User-Defined Characters 3 (4x20 Display only)</p> <p>Visual Indicators Flashing characters</p> <p>Backlight White electroluminescent, optional</p> <p>Keypad</p> <p>(Sealed membrane or elastomeric)</p> <p>Number of keys 6, 16, 20, 30, 40 or 45 membrane, 42 elastomeric</p> <p>Programmable Keys 4, up to 16 characters each</p> <p>Key Legends Catalog, Blank or Custom</p> <p>Response Tactile, Audible, Visual (local echo)</p> <p>Repeat Rate None, Slow, Fast, Make-Break</p> <p>Backlight White electroluminescent, optional.</p> <p>Memory</p> <p>EEPROM storage for Configuration Parameters</p> <p>Interface</p> <p>(RS 232 or RS 422)</p> <p>Baud Rate 150 to 19200</p> <p>Parity Even, Odd, Space, Mark, None</p> <p>Word Format 7 or 8 data bits, 1 or 2 stop bits</p> <p>Connector Unit-mounted modular 6-pin jack, DE-9P or DA-15P connector</p> <p>Cable Optional integral cable up to 20 ft., straight or coiled, 6-conductor (10-conductor with E-stop option), round, shielded, terminating with either stripped-and-tinned ends or a DE-9P (DB-25P with E-Stop option) connector</p> <p>Mechanical</p> <p>(Lexan® case, gray or black)</p> <p>Dimensions 6.41" x 4.3" x 1.0" (162.8mm x 107.5 mm x 25.4 mm)</p> <p>Weight 10 oz (283.5 g)</p> <p>Environmental</p> <p>Operating Temperature 32°F to 122°F (0°C to 50°C)</p> <p>Extended Range Option -4°F to 158°F (-20°C to 70°C)</p> <p>Storage Temperature -22°F to 158°F (-30°C to 80°C)</p> <p>Humidity 95% noncondensing</p> <p>Moisture/Dust Resistance Optional</p> <p>Agency Compliance</p> <p>EN55022</p> <p>CENELEC (CISPR 22)</p> <p>FCC Class A, Part 15</p> <p>ROHS Compliant</p> <p>Lexan® is a registered trademark of General Electric Corporation.</p>

