

MP2105C COTS Rugged CDT used in Military Applications



4x20 display with 24 key keypad shown above

Our Most Rugged CDT / CDU

The MP2105C is the result of our extensive experience in Man/Machine CDT's used in Secure Government and Military Applications. Since 1973, TERMIFLEX® has been providing the most cost effective , secure, and reliable Industrial CDT's possible for use in extreme Military Applications.

Rugged Features Include:

- 24 key elastomeric keypad designed for Arctic Glove use.
- Sealed Waterproof Aluminum Case.
- EMI/RFI Protection.

TERMIFLEX® is the long-standing leader in providing rugged handheld terminals used in OI/OT/RTU/CDU applications and markets throughout the world. Our CDT's form the broadest range of rugged CDT solutions available. They cover the complete spectrum of application needs across a wide range of industries.

TERMIFLEX® is a leading international provider of specialized information hardware and software products, as well as electrical and electronic power-related products for COTS Military, industrial, commercial and medical markets.

Operator Terminal OT/50 Specifications

Standard and Optional Features

Display

- 4 x 20 STN LCD
- 4 x 20 STN LCD
- 8 x 26 STN LCD
- EL Backlight

Keypad

- 34-key Membrane
- 55-key Elastomeric
- 66-key Elastomeric
- EL Backlight (membrane only)

Interface

- RS 232
- RS 422

Power

- +5 Vdc ± 5%
- +7 to +28 Vdc

Cable Connector

- Case Mounted
 - DE-9P
 - DA-15P
- Integral Cable (10 ft., 3m)
 - 6-conductor, coiled
 - 6-conductor, straight
 - 10-conductor, coiled
 - 10-conductor, straight
- Cable Connector
 - DE-9P
 - BD-25
 - Custom

Environmental

- 32°F to 122°F (0°C to 50°C)
- 4°F to 122°F (-20°C to 70°C)
- Moisture Resistance

Other Options

- E-stop Switch
 - Live-man Switch
- (Note that the above option requires the 15-pin case connector or the 10-conductor cable)

- Basic Unit
- Optional*

*Warner Power/Termiflex provides full customization service for OEM customers.

Display

- (4 x 20 STN LCD technology, dot matrix alphanumeric, 5x7 pixel characters, blue, on a light gray background)
- Optional Size 4 x 20 STN LCD
- Character Size 0.187"H x 0.116"W (4.8mm x 3.0mm)
- User-Defined Characters 3
- Visual Indicators Flashing characters
- Backlight Yellow LED, optional

Keypad

- (Sealed membrane)
- Number of keys 25 or 30 membrane
- Programmable Keys 4, up to 16 characters each
- Key Legends Catalog or Custom
- Response Tactile, Audible, Visual (local echo)
- Repeat Rate None, Slow, Fast, Make-Break

Interface

- (RS 232 or RS 422)
- Baud Rate 150 to 19200
- Parity Even, Odd, Space, Mark, None
- Word Format 7 or 8 data bits, 1 or 2 stop bits
- Connector Unit-mounted DE9-S connector

Power

- (+5 Vdc ± 5%, supplied through serial connectors)
- Wide Range +7 to +28 Vdc, optional
- Current 50 mA for RS232, 70 mA for RS422, additional 130 mA required for backlight option

Mechanical

- (Metal case, black bezel)
- Dimensions
 - CP/2500 6.71"x4.625"x1.05" (170.4mmx117.5mmx26.7mm)
 - CP/2501 3.44"x7.56"x1.01" (87.4mm x 192mm x 26.7mm)
 - CP/2502 3.78"x7.56"x1.05" (96.0mm x 192mm x 26.7mm)

Environmental

- Operating Temperature 32°F to 122°F (0°C to 50°C)
- Extended Range Option -4°F to 158°F (-20°C to 70°C)
- Storage Temperature -4°F to 158°F (-20°C to 70°C)
- Humidity 95% noncondensing
- NEMA Compliance 4/12 when properly mounted

Agency Compliance

- EN55022
- CENELEC (CISPR 22)
- FCC Class A, Part 15

