

80 Series Specifications

DISPLAY

- Reflective/Transreflective Liquid Crystal Display
- LCD Twisted Nematic Display (standard)
- Supertwist Display (LED)
- LED Supertwist Backlit
- Extended Temperature Vacuum Fluorescent Display**
- Vacuum Fluorescent Display (VFD)**
- LED Indicators (option)
- 4 Line x 20 Characters
- Extended U.S. ASCII character set
- Supertwist Backlit
- Extended Temperature Supertwist Backlit
- Dark Characters on Light Background (not VFD)
- Menu controlled contrast setting

** Not available with battery option

KEYS & SWITCHES

- Membrane or Elastomeric
- Backlit (option)**
- Feedback: Tactile and Audible
- 45-key (max.), 30-key, or 20-key
- Phosphorescent (option)
- Standard or Custom Layout
- Backlit Phosphorescent (option)**

INTERFACE

- Handshake: 2 lines (RS-232)
- Parity: Even, Odd, Mark, Space, Ignore
- Connector: 6-pin female modular, optional permanent or custom cable configurations
- RS-232, RS-422, CMOS/LSTTL Levels
- E-Stop switch (option)
- Data rates: 300 - 19,200 bps
- Control Bits: 1 start and 1-2 stop bits

POWER

- 5 VDC Regulated +/- 5%
- Battery option available
- Some options require additional current (Example: Backlight adds 50 mA)
- Nickel Metal Hydride rechargeable batteries
- 7.5-12 VDC Linear Regulator*
- Current: 45-50 mA (RS-232 and RS-422)
- *maximum voltage depends on current draw
- 9.5-28 VDC Switching Regulator
- AA Alkaline batteries (6) (not shipped with unit)

ENVIRONMENT

- Nematic Displays
- Storage Temp: -20°C to +70°C
- Operating Temp: 0° to + 50°C
- Extended Temp: -20°C to +70°C
- Vacuum Fluorescent Displays
- Storage Temp: -20° to + 70°C
- Operating Temp: -20° to + 70°C
- Extended Temp: -40° to + 85°C
- Humidity 5-95% (non-condensing)

USER SELECTABLE OPTIONS

- Baud
- Key Click
- Echo
- Viewing Angle
- Data Bits
- KNP Function
- Escape Mode
- Break Commands
- Parity
- Cursor
- CR/LF Mode
- Backlight
- Stop Bits
- Cursor Blink
- Self-Test
- Scroll on Last Character
- Display PE
- XON/XOFF
- Shift Lock
- Repeat
- Handshake

CUSTOM OPTIONS

- Default settings
- Firmware
- Displays
- Case color
- Keypad graphics
- Logo Tag
- I/O interface
- LED Indicators

CERTIFICATIONS

- FCC Class A
- CE *
- CENELEC EMI Standards EN55022, CISPR Class A
- Electromagnetic Compatibility (EMC) EN50082-1
- Safety Standard EN60950
- *in standard configuration

