



## FEATURES

- Function keys programmable as Characters or Strings
- Menu or host-driven user parameter selection
- Programmable tones (private mode)
- LED Indicators (host-driven)
- 40, 30, or 20 key standard or custom keypad configuration
- Three (3) year warranty
- **Height:** 6.4 inches (162.6 mm)  
**Width:** 4.30 inches (109.2 mm)  
**Depth:** 1.06 inches (26.9 mm)  
**Weight:** 10 ounces (283 grams)

# HV Series

## hand held terminal

Unit depicted with custom graphics

Looking for a price performance solution? The HV Series offers rugged and fully functional ASCII terminals ideal for a multitude of cost-sensitive applications. The HV Series proves to be the ultra-flexible solution for industrial applications. Nearly every aspect of its operation from display mode to function key definitions can be changed via menu selections or direct host control using private escape sequences. Its four distinct function keys can be redefined as characters or strings to a maximum of 80 bytes overall and saved in nonvolatile memory. Additionally, you can define three graphic characters via the host control. I/O configurations include RS-232, RS-422 as well as standard CMOS/LSTTL logic levels. For applications requiring visual warning or key activity indication, the HV Series has optional LED indicators, located within each key on the top row. The HV terminal is also capable of producing complex tones via commands sent from the host.

Selling globally? The HV Series offers display options that support a variety of optional character sets such as Latin 1 or European. With the "programmable character" capability you have the ability to create characters that are not supported in the display's font table. What better way to give your products a competitive edge!

Like all Two Technologies' products, the HV Series terminals are remarkably rugged. The case is molded from an extremely durable ABS/polycarbonate composite plastic. Securely framed and clamped into place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. The HV Series features a 20-key (ANSI only) 30 or 40-key membrane or elastomeric keypad with standard or custom graphics.

With the HV Series you can use rugged and affordable in the same sentence!



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# HV Series Specifications

## DISPLAY

- 4 Line x 20 Characters
- Supertwist Backlit (LED)
- LCD Twisted Nematic Display (standard)
- Extended Temperature Supertwist Backlit (LED)
- Supertwist Display

## KEYS & SWITCHES

- Membrane or Elastomeric
- Standard or Custom Layout
- 40-key (maximum), 30-key (membrane only), or 20-key (vT100 ANSI, membrane only)
- 40-key with LEDs (option)
- Backlit (option)

## INTERFACE

- RS-232, RS-422, or CMOS/LSTTL level
- Handshake: 2 lines (RS-232)
- Parity: Even, Odd, Mark, Space, Ignore
- Connector: 6-pin female modular, optional permanent or custom cable configurations
- Data Rates: 110 to 9,600 bps

## POWER

- 5 VDC Regulated +/- 5%
  - 7.5-12 VDC Linear Regulator\*
  - 9.5-28 VDC Switching Regulator
- \*maximum voltage depends on current draw

## ENVIRONMENT

- Storage Temp: -20°C to +70°C
- Extended Temp: -20°C to +70°C
- Operating Temp: 0° to + 50°C
- Humidity 5-95% (non-condensing)

## USER SELECTABLE OPTIONS

- Baud
- Display Serial Errors
- Self-Test
- Audible Keys
- Audible Serial Errors
- Data Bits
- Cursor Visible
- Backlight
- Simplified Keyboard
- Support XON/XOFF
- Parity
- Auto Line Wrap
- Echo
- Display Size
- Display Control Characters
- Stop Bits
- New Line on CR
- Key Repeat
- Display Escape Characters

## CUSTOM OPTIONS

- Default settings
  - Displays
  - Keypad graphics
  - I/O interface
  - Firmware
  - Case Color
  - Logo Tag
  - LED Indicators\* (40 key only)
  - Backlit Keypad (40 key only)
  - Boot
- \*requires a custom keypad

## CERTIFICATIONS

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

