FEATURES

- Fully Programmable
- 448k Flash EEPROM
- 512k Battery-Backed SRAM
- Comprehensive Built-in API for Rapid Development
- Program in "C" or Assembly Language on your PC
- Development Utilities Included for Assembly Programming
- "C" Library Available
- 2 Basic Compiler Available
- Up to 115.2k bps Communications
- Optional Battery-backed Real-Time Clock
- Three (3) Year Warranty

Height: 7.15 inches (181.6 mm)
Width: 4.10 inches (104.1 mm)
Depth: 1 inch (25.4 mm)
Weight: 8 ounces (227 grams)
Case: Rugged Cycolac® ABS

PDS

programmable terminal

Unit depicted with custom graphics

Looking for a fully programmable hand held terminal? The PDS is a rugged, full featured programmable terminal that is ideally suited to a variety of applications where a level of complexity above that found in simple ASCII terminals is required. A comprehensive Applications Program Interface (API) allows a programmer to access services provided by the Proprietary Operating System (OS). A variety of functions, from simple display manipulation to high level operations, are easily put under direct application control through the API. The PDS features 448k bytes of Flash EEPROM and 512k bytes of battery-backed static RAM. The PDS is programmable using either "C" or Assembly language on your PC. The battery powered model is supplied with a rechargeable battery, but commercially available alkaline batteries can also be used. Interface options, including RS-232, RS-422 or RS-485 are available.

Selling globally? The PDS offers display options that support a variety of optional character sets such as Latin 1 or European. What better way to give your products a competitive edge!

Two Technologies offers applications development services to our GEM Partners. Please be sure to contact us for more information.

Like all Two Technologies' products, the PDS 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 into place, the keypad surface provides excellent splash resistance and prevents curling or peeling of the keypad overlay. Keypad layouts include 45, 30, and 20 keys, available with standard or custom graphics. Keypads are available in membrane or elastomeric material.

Tremendous value and loads of power...all in a great little package.

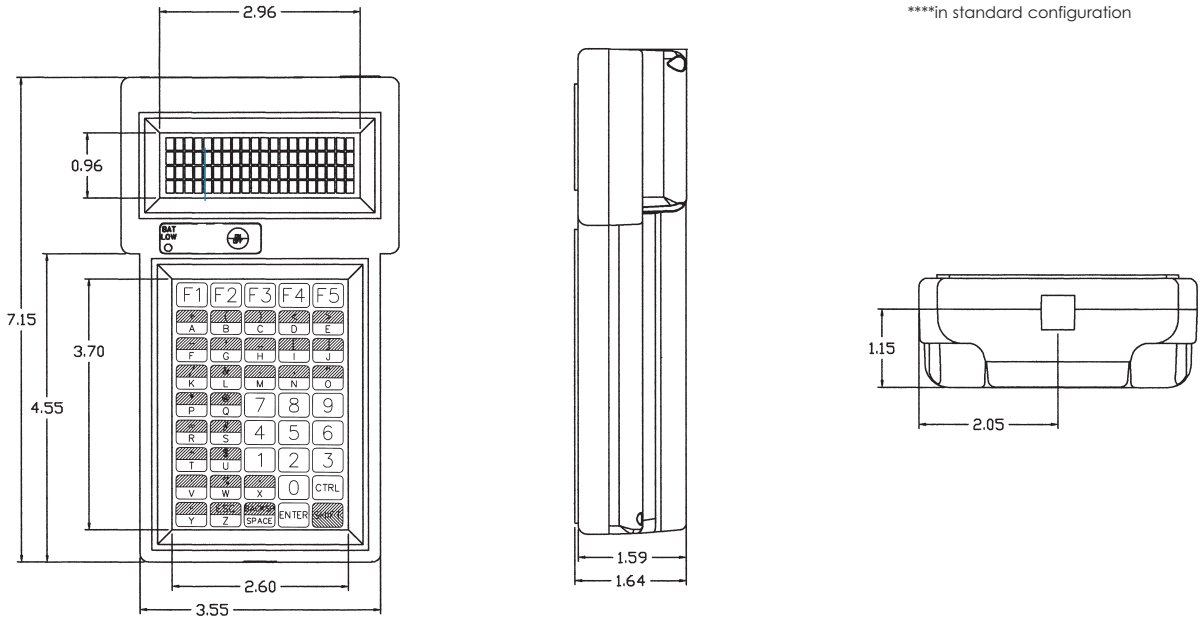
Two Technologies, Inc.® • 419 Sargon Way • Horsham, PA 19044
Tel 215.441.5305 • Fax 215.441.0423 • real.rugged@2T.com

www.2T.com

PDS Specifications

DISPLAY	• Reflective/Transreflective Liquid Crystal Display • 4 Line x 20 Characters • LCD Twisted Nematic Display (standard) • Supertwist Display • Supertwist Backlit • LED Supertwist Backlit • Extended Temperature Supertwist Backlit • Vacuum Fluorescent Display (VFD)** • Extended Temperature Vacuum Fluorescent Display**
KEYS & SWITCHES	• Membrane or Elastomeric • 45-key (maximum), 30-key, or 20-key • Standard or Custom Layout • Backlit (option)** • Phosphorescent (option) • Backlit Phosphorescent (option)** • Feedback: Tactile and audio • Extended U.S. ASCII Character Set
INTERFACE	• RS-232, RS-422, RS-485,CMOS/TTL Level • Handshake: 2 lines (CMOS/LSTTL, RS-232) • Data rates: 300 - 115,200 bps • Parity: Even, Odd, Mark, Space, Ignore, None • Connector: 6-pin female modular, optional permanent or custom cable configurations
POWER	• 5 VDC Regulated +/- 5% • 7.5-12 VDC Linear Regulator* • 9.5-28 VDC Switching Regulator • Some options require additional current (Example: Backlight adds 50 mA) • Nickel Metal Hydride rechargeable batteries (battery option only) • AA Alkaline batteries (6)*** *maximum voltage depends on current draw
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)
MEMORY	• 448k Flash EEPROM • 512k Battery backed SRAM
APPLICATION DEVELOPMENT	• Program in "C", Assembly or 2 Basic • Development Tools Available
FEATURES & OPTIONS	• 8051 Family Microcontroller @ 11.059MHz or 22.118MHz (software selectable) • Battery option available • E-Stop w/10 conductor cable (option) • LED Indicators (option) • Default settings • Display • Keypad graphics • I/O interface • Firmware • Case color • Logo Tag • Real-Time Clock
CERTIFICATIONS	• FCC Class A • Electromagnetic Compatibility (EMC) EN50082-1 • CE**** • CENELEC EMI Standards- EN55022, CISPR Class A • Safety Standard EN60950

** not available with battery option
***not shipped with unit
****in standard configuration



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RoHS compliant

ISO 9001 Registered Management System

CE