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PT815
Portable Data Collection Terminal

The rugged and lightweight PT815 is the right tool for a variety of data collection applications. Its input port accepts either a wand, CCD, hand-held laser or badge reader. And a 49-key alphanumeric keypad speeds data entry, making it ideal for inventory control, order taking, asset tracking and general data collection applications. Furthermore, 4 programmable keys and a four-line LCD display support development of user-friendly applications.

It operates on a rechargeable NiCd battery pack or standard AA alkaline batteries. Data retention is ensured with a lithium backup battery.

Application Development Tools:

With its Resident Operating Program or ROP, users can develop applications for the PT805 by simply defining the prompts and type of information to be captured. The process requires no programming experience. Additionally, we offer **JobGen**, an optional high-level program generator, which provides a Macro language and more data processing power.

For sophisticated applications, C language is supported through the use of C815, a proprietary C compiler. Programs generated with C815 can be stored in the unit's EPROM, providing a customized solution.
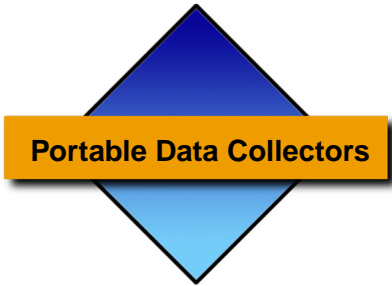
Available Accessories:

PC AT, PS/2 keyboard wedge cable & adapter
Communication and charging cradle
Scanners: wand, CCD, laser scanner or ID badge reader
NiCd battery pack
RS232 cable
Shoulder strap
Carrying case
Sample applications and communication software

Main Features:

- Menu driven system operation.

- 16 x 4 LCD, 64 to 256 KB memory and real time clock

- Embedded system diagnostics and menu-based on-board programming.

- Full alphabetic keypad with separate numeric keys.

- Supports wand, CCD, laser scanner or ID badge reader.

- Custom EPROM implementation.

- Audio buzzer provides feedback from keypad and bar code reading.

- Operates with a NiCd battery pack or 4 AA alkaline batteries.

- Onboard lithium battery for data retention.

- Built-in protection from accidental recharge of alkaline batteries.

- Power low indication for main and backup batteries.

- Built-in PC AT and PS/2 keyboard wedge functionality.

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Portable Data Collectors

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SPECIFICATIONS	
SYSTEM	
CPU	8 bit embedded microprocessor
RAM	64 / 128 / 256 KB CMOS SRAM
ROM	64 KB (Resident Operating Program, setup and diagnostics)
Keypad	49 alphanumeric rubber keys, 5 programmable function keys
Display	4 x 16 Liquid Crystal Display
Buzzer	Software adjustable
Real Time Clock	System date and time , Y2K compliant
POWER	
Management	Low battery warning for main and backup batteries
Main battery	4.8V 700mAH NiCd battery pack or four AA alkaline batteries
Backup battery	3V 190mAH Lithium battery
Consumption	30mA average operating current (scanner not included)
SCANNER AND BAR CODE	
Scanner port	Supports wand, CCD, laser scanner and Id badge reader
Symbologies	UPC-A/E, EAN-8/13, Codabar, Code 128, Interelaved 2 of 5, Code 39, Code 39 Full ASCII, MSI
Interface	Dsub-9p male connector with squeeze-and-release locking
COMMUNICATION	
Format	Asynchronous, 7/8 data bits, even/odd/mark/space/none parity
Baud Rate	300 to 19200 bits per second
Handshaking	Xon/Xoff, CTS/RTS
Protocol	ACK/NAK and None protocols
Interface	EIA RS232 with Dsub-9p male connector PC AT, PS/2 keyboard wedge
PHYSICAL AND ENVIRONMENTAL	
Dimensions	8.0" x 3.5" x 1.8"/1.5" (203 x 90 x 45/38 mm) L x W x H
Weight	Approximately 16.5 oz (470 g) with battery
Temperature	Operation: 32°F - 122°F (0°C - 50°C) Storage: -4°F - 158°F (-20°C -70°C)
Humidity	5 - 95% RH non-condensing