Portable Data Collection Terminal
Model PHL-2700

Features

♦ 8 MB memory continuous data collection
♦ Long battery life with auto power-down
♦ Battery backup protects data for 30 days
♦ Compact and light weight, fits any hand
♦ Large, backlit graphics display
♦ Easily programmed for specific applications

The Next Generation High Performance Terminal

The PHL-2700 terminal is an all-day terminal. It is small, light and ergonomic with a simple keypad layout anyone can use. Don’t let the graceful, uncluttered design deceive you. It is packed with features usually found in more costly terminals.

8 MB of memory is large enough for heavy data collection applications. Clever design extends battery life and protects data. The extremely large, backlit LCD display provides excellent viewing in dim or bright lighting. All but one of the 27 keys can be programmed for alternate functions. The internal IrDA port is conveniently located for communications directly to belt-mounted devices such as portable printers.

Operates on two “AA” batteries or the optional rechargeable battery (NiMH) pack. Selectable automatic power-down feature reduces already low battery drain. Battery backup maintains data for up to 30 days even when the main battery power is lost.

The IRU2700, an optional charging cradle, provides RS232 communication to a host device at transmission speeds of up to 115,200 baud.

Simply place the terminal in the cradle. The rest is automatic. The cradle also recharges the NiMH battery pack (if used). Up to 10 cradles can be daisy chained.

RapidGEN, a simple program generator, allows even non-technical personnel to quickly develop and customize applications. More sophisticated programming aids are available for more experienced programmers.

The PHL-2700 is a compact dynamo with a very attractive price.

IRU2700
Cradle for terminal and rechargeable battery pack

Data Collection
Programability and portability in one terminal
## Specification

### Optical
- Laser: 650 nm (visible red)
- Output Power: <1 mw
- Scan Rate: 100 scans/sec.
- Reading Range: 0-9'/13 mil
- Reading Width: @ 1" from window=2.3"
  @ 10" from window=9.0"

### Power
- Operating Voltage: 3 volts
- Battery Life @ 1 scan/5 sec: "AA" Alkaline Cells (x2) 78 hours
- NiMH (rechargeable): 40 hours
- Built-in Recharger Circuit: Main and back-up batteries
- Auto Power Off: User programmable @ 0-60 minutes of inactivity

### Environmental
- Temperature Operating: +32 to +122 °F
- Storage: -4 to +140 °F
- Operating Humidity: 20 to 80%
- Drop Test: 4" to concrete; 10 drops (all sides)
- ESD: 15KV static discharge
- Regulatory Approvals: FCC Rules, Part 15; CDRH Class II

### Physical
- Case Material: ABS Plastic
- Dimensions: 7 x 2.5 x 1.6 in.
- Weight: 6.2 oz., excluding batteries

### IRU-2700 Cradle
- Battery charging: 8 hours with NiMH
- Connector: RS232-DB9-F
- Communications: RS485-6 pin modular
- Parity: Odd, even & none
- Dimensions: 5.9x 3.5x 3.2 in. (lxwxh)
- Weight: 9 oz.
- Case Material: ABS Plastic
- Shock: Vibration 10-50 Hz with 1 G for 30min, cycle for x, y, z
- Special feature: Daisy Chain up to 10 cradles

### Warranty
- One year from date of purchase

### Technical Support / Sales
- Opticon's experienced, well trained technical staff are available to answer questions and assist you in every way possible in support of our products.
- Call today to find out how our products can be adapted to your design: (800) 636-0090, or visit our web site at www.opticonUSA.com