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

Opticon

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	
Low Battery Indicators	Main and back-up batteries
Back-up Power	Lithium battery capable of maintaining data in RAM for 30 days w/o main battery
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
	RS485-6 pin modular
Communications	RS232 & RS485 up to 115,200 baud
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***

Supported Symbologies

Codabar; Code 39; Code 93; Code 128; Industrial 2of5; Interleaved 2of5; Italian Pharmaceutical; Tri-Optics; Matrix 2 of 5; MSI/Plessy; UK Plessy; S-Code; Telepen; UPC-E&A

Functionality

Memory	8 MB data RAM
	512 Kb flash ROM
	32 Kb boot ROM
Microprocessor	16-bit
Real Time Clock	Quartz RTC, time & data programmable, leap year handling ($\pm$ 60 sec/month)
Display	Backlit 128x64 Pixel graphic LCD
	4/8 lines x16 characters
	5/10 lines x21 characters
Keypad	27 keys total (26 keys user definable)
	8 function keys, alpha/numeric mode
Trigger Mode	Manual
Programming	Functionality provided by user application. Download from PC via cable, com port or IrDA
Interfaces Supported	RS232 by cradle or direct cable
	IrDA on terminal

Ordering Information

Description	Part Number
PHL-2700 Terminal with 8MB memory	PHLTRM80B-00
IRU-2700 Communications/Charging Cradle	IRU-2700K-00
MHBC Multiple Battery Pack Recharger	MHBC-2620K-000
Rechargeable Battery Pack (NiMH)	02-BATNMH-01
RS232 Communications Cable	41-IRU232-00
RS485 Cable for Daisy Chain	41-IRU485-00
RS232 Cable, Terminal to Host	41-PHL232-01
Hoslter with Belt	PHLHOLSTER-01

Productivity Generator Software

Description	Part Number
Rapid GEN™ Program Generator Software *	42-SFTGEN-00
PotStar Basic	42-GENBAS27-00
PotStar Pro	42-GENPRO27-00

* A copy of Rapid GEN™ is included with each terminal.

Opticon

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