

## PHL 2700

### FEATURES

- 8 MB memory stores large amounts of data
- 100 scans/sec laser scanning
- Compact and light weight, fits any hand
- Large, backlit graphics display
- Powerful, easy-to-use Application Generator Software
- Software Development Kit supports standard ANSI C functions
- Easily exports data to MS Excel or MS Access
- Daisy chain communication cradles



PORTABLE LASER DATA COLLECTION TERMINAL

### THE NEXT GENERATION HIGH PERFORMANCE TERMINAL

The PHL 2700 powers you through a full day's work on a single charge. 8 MB of memory is large enough for intensive data collection applications. Clever design extends battery life and protects data. Operates on two "AA" batteries or an optional rechargeable battery (NiMH) pack. The low battery drain can be further reduced using the selectable automatic power-down feature. Battery backup maintains data for up to 30 days even when main battery power is lost.

PHL 2700 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.

The extremely large, backlit LCD display provides excellent viewing in dim or bright lighting. 26 keys can be programmed for user-defined functions. A conveniently located IrDA port allows communications directly to belt-mounted devices such as portable printers.



**IRU2700**

*Cradle for terminal and rechargeable battery pack*



**Data Collection**

*Programmability and portability in one terminal*

To transmit data, place the terminal in the cradle. Communications and charging are automatic. Up to 10 cradles can be daisy chained through a single communications port.

A simple program generator, RapidGEN, is factory installed allowing even non-technical personnel to quickly develop and customize applications. More advanced programming aids are available for more experienced programmers.

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

"I recommend Opticon products because they hold up really well over time."

### OUR PROMISE

At Opticon, our mission is to provide bar code scanning products that are easy to use, built-to-last, fit your exact requirements and are supported by an experienced, responsive team of professionals. We believe that accomplishing our mission is dependent upon operating with a set of important core values—Passion, People, Creativity and Teamwork. All our employees work to understand and apply these values in everything that they do.

# PHL 2700

## PORTABLE LASER DATA COLLECTION TERMINAL

### OPTICAL

Light Source	Visible Laser Diode, $\lambda = 650 \text{ nm}$
Scan Rate	100 scans/sec
Reading Range	0-9"/13 mil
Reading Width	2.3" at 1" from window 9.0" at 10" from window

### ELECTRICAL

Battery Life	
"AA" Alkaline Cells (x2)	78 hours at 12 scans/min
NiMH (rechargeable)	40 hours at 12 scans/min
NiMH Recharging Time	8 hours with the cradle
Back-up Power	Lithium battery maintains data in RAM for 30 days without main battery
Auto Power Off	User programmable for 0-60 minutes of inactivity
Interfaces	RS232 by cradle or direct cable IrDA V1.1 on terminal

### ENVIRONMENTAL

Temperature	
Operating	-10 to 40 °C (14 to +105 °F)
Storage	-20 to 40 °C (-4 to +105 °F)
Humidity (non-condensing)	
Operating	20 to 80%
Storage	20 to 90%
Drop Test	4' to concrete; 10 drops (all sides)
Regulatory Approvals	ISO 9002 certified mfg. facility This product conforms to 21 CFR 1040.1 and 21 CFR 1040.11 CDRH Class II CE Certified, FCC part 15 Class A

### PHYSICAL

Case Material	ABS Plastic
Dimensions (L x W x H)	177 x 62 x 41 mm (7 x 2.5 x 1.6 in)
Weight	175 g (6.2 oz), excluding batteries

### IRU-2700 CRADLE

Communications	RS232 (To host) RS485 (For daisy chaining) IrDA (To terminal)
Connector	RS232 (DB9) & RS485 (6 pin modular)
Dimensions	150 x 90 x 81 mm (5.9 x 3.5 x 3.2 in)
Weight	250 g (8.8 oz)
Case Material	ABS Plastic

### SYMBOLOGIES

Codabar(NW-7); Code 39; Code 93; Code 128; Industrial 2 of 5; Interleaved 2 of 5; Italian Pharmaceutical; TriOptics; Matrix 2 of 5; MSI/Plessy; UK Plessy; S-Code; Telepen; UPC-A&E; WPC

### FUNCTIONALITY

Memory	8 MB RAM for data 512 Kb flash ROM for application
Microprocessor	16-Bit
Real Time Clock	Quartz RTC, time & data programmable, leap year handling ( $\pm 60 \text{ sec/month}$ )
Display	Backlit 128 x 64 Pixel graphic LCD 4/8 lines x 16 characters 5/10 lines x 21 characters Low battery indicator for main and back-up batteries
Keypad	27 keys total (26 keys user definable) 8 function keys, alpha/numeric input
Programming	Download from PC via cable, cradle or IrDA Rapid GEN™ program generator software is preloaded

### ORDERING INFORMATION

Description	Part Number
Terminal Kit	PHL-2700-SK1
Terminal Only / 8 MB Memory	PHLTRM80B-00
IRU-2700 Cradle Kit	IRU-2700K-000
Multiple Battery Pack Recharger	MHBC-2620K-000
Rechargeable Battery Pack (NiMH)	02-BATNMH-01
RS485 Cable for Daisy Chain	41-IRU485-00
RS232 Cable, Cradle to Host	41-IRU232-00
RS232 Cable, Terminal to Host	41-PHL232-01
Holster with Belt	PHLHOLSTER-01

### DEVELOPMENT TOOLS

Description	Part Number
PotStar Basic	42-GENBAS27-00
PotStar Pro	42-GENPRO27-00
NetO ActiveX	42-NETODLL-01
Load DLL	42-LOADDLL-01
SDK (Compiler & Libraries)	42-2700K-000

### WARRANTY

Opticon laser-based products are warranted for a period of one (1) year, including parts and workmanship. Visit our web site for details.

### TECHNICAL SUPPORT / SALES

Opticon's experienced, well-trained technical support team is available to answer questions and assist you in every way possible in support of our products. Call today to find out how this terminal can be adapted to your application: 800.636.0090, or visit our website at [www.opticonUSA.com](http://www.opticonUSA.com).



25-DPHLR101-01 Rev A  
Specifications subject to change without prior notice.



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