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## Description

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 **NOTIFICATION DISCONTINUED** | Alternatives can be found under the 'Related products' tab, or contact us for assistance.

The information below is for reference purposes only.

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 1D barcode  PDF417 and MicroPDF417  IrDA

Model : **Opticon PHL-2700 (10038)**

Groep : *Handheld terminal - Handheld terminal*

Datasheet: [Opticon PHL2700](#)

Opticon PHL2700 handheld terminal has an integrated bar code laser scanner. Features are: 16 bit MPU, 8 MB memory, graphic LCD display, alpha-numeric keypad, 8 function keys and IrDA interface.

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## Product Features

### Laser scan engine

Enables touch and variable distance reading on the Opticon PHL2700

### Rechargeable battery pack or Alkaline batteries

Long life battery for the Opticon PHL2700

### 8 MB Memory available

Enables continuous working even with the Opticon PHL2700 large data storage

### Graphic display

Enables advanced applications on the Opticon PHL2700

### IrDA interface

For easy optical data transmission on the Opticon PHL2700

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## Specifications

- Opticon PHL-2700 Handheld terminal
- Article number : 10038 Opticon PHL-2700-80 (8Mb memory) (Former Article number A73800R0040)

## Electrical specifications

- Main battery pack: NI-MH rechargeable
- Main dry cell battery: Alkaline penlite AA-size
- Main battery pack operating time: When making every 5 seconds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 40 hours
- Main dry cell battery operating time: When making every 5 seconds 1 scan with 1 sec laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time is: approx. 78 hours
- Main battery condition: Different operation conditions affect the operating time. Use of other penlite batteries affect the operating time.
- Backup battery: Lithium (CR2032)
- Backup battery operating time: If fully charged: 30 days backup time

- Battery management: Low voltage indicated on the terminal display. When battery is low the terminal switches off automatically.
- Charging method: Rechargeable Ni-MH pack in terminal via cradle

### Optical specifications

- Light source: 650 nm visible laser diode
- Scan rate: 100 scans/sec
- Decode rate: 100 decodes/sec
- Min. resolution at PCS 0.9: 0.15 mm / 6 mil
- Depth of field (view drawing)
- Depth of field: at PCS 0.9
- 0 - 380 mm / 0.00 - 14.96 in (res. 1.0 mm / 39 mil),
- 0 - 230 mm / 0.00 - 9.05 in (res. 0.5 mm / 20 mil),
- 0 - 140 mm / 0.00 - 5.51 in (res. 0.25 mm / 10 mil),
- 0 - 45 mm / 0.00 - 1.77 in (res. 0.15 mm / 6 mil)

### Communication specifications

- interfaces RS232: supported by cradle or optional supported by direct cable
- Interface IrDA: supported on terminal
- Transmission speed RS232: 1.2 - 115.2 kbps
- Transmission speed IrDA: 2.4 - 115.2 kbps

### Identification

- Supported 1D barcode Symbologies: JAN/UPC/EAN (WPC) incl. add on, Chinese Post, Codabar/NW-7, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, Korean Postal Authority code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic

### Functionality

- Memory ROM: 32 kB
- Memory FlashROM: 512 kB (for O/S and program storage)
- Memory fastRAM: 2kB
- Memory RAM: 8 MB battery backed up D-RAM (for data storage)
- Microprocessor: 16-bit
- Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)
- Display: 128 x 64 Pixels graphic LCD with backlight
- Character fonts: 4/8 linesx16 characters, 5/10 linesx21 characters
- Keyboard: 27 keys total, 8 Function keys
- Keyboard mode: Alpha/Numeric mode
- Programming: Functionality is provided by user application. The application may be downloaded from PC via cable, com port or IrDA.

### Environmental specifications

- Temperature in operation: -10 to 40 °C / 14 to 104 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °F
- Humidity in operation: 20 - 80 % (non-condensing)
- Humidity in storage: 20 - 90 % (non-condensing)
- Ambient fluorescent light rejection: 3,000 lx max.
- Ambient direct sun light rejection: 50,000 lx max.
- Shock drop test: 1.5 m / 5 ft drop onto concrete surface Shock vibration test

### Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

### Downloads

- Download : User's manual PHL-2700/IRU-2700

### Enclosed items

- Handstrap **Article number : 10225**

### Accessories

Sold separately.

- Rechargeable battery pack for PHL-2700 **Article number : 10837**

- Dry-cell battery holder for PHL-2700 **Article number : 10678**
- Direct download cable RS232 for PHL-2700 **Article number : 10280**
- Cradle IRU-2700 **Article number : 10285**
- Nylon case PHL-X700 Fixed clip **Article number : 10900**
- Nylon case PHL-X700 Swivel clip **Article number : 10897**
- Nylon case PHL-X700 Window Swivel clip **Article number : 11212**