Description

NOTIFICATION **DISCONTINUED** | *Alternatives can be found under the 'Related products' tab, or contact us for assistance.*
The information below is for reference purposes only.

1D barcodePDF417 and MicroPDF417IrDA
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.

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

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 ºC / 14 to 104 ºF
- Temperature in storage: -20 to 60 ºC / -4 to 140 ºF
- 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**