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 barcode IrDA
Model : **Opticon PHL-1300 (10044)**
Groep : *Handheld terminal - Pocket handheld terminal*
Datasheet: Opticon PHL1300
Opticon PHL1300 is the smallest (135x55x33mm by dimensions) among the PHL terminal series. It has an integrated bar code laser scanner. Features are: 16 bit MPU, 8MB memory, graphic LCD display, multi functional keypad and IrDA interface.

Product Features

Laser scan engine
The Opticon PHL1300 has a variable distance reading scan engine

Pocket size and light weight
The Opticon PHL1300 is easy to carry

8 MB Memory available
Enables continuous working on the Opticon PHL1300

Rechargeable battery pack or Alkaline batteries
Long life battery for the Opticon PHL1300

IrDA interface
Easy optical data transmission on the Opticon PHL1300

Keypad with cellphone look and feel
Less instructions required for the Opticon PHL1300

Specifications

- Opticon PHL-1300 Pocket handheld terminal **(Project item)**
- Article number 10044 Opticon PHL-1300 (Former Article number A73900R0020)

Electrical specifications

- Main battery pack: Lithium-Ion rechargeable (Opticon item)
- Main dry cell battery: Alkaline AA-size batteries (optional user item)
- Main battery pack operating time: When making every 5 seonds 1 scan with 1 sec
- laserbeam on and 0.2 sec. green LED on and 0.2 sec. buzzer on, operating time
- is: approx. 36 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: 3 weeks backup time
- Battery management: Low voltage indicated on the terminal display. When battery
- is low the terminal switches off automatically.
- Charging method: Recharging Lithium-Ion pack in terminal via cradle

Optical specifications

- Light source: 650 nm visible laser diode
- Scan method: vibrating mirror
- Scan rate: 100 scans/sec
- Decode rate: 100 decodes/sec
- Min. resolution at PCS 0.9: 0.15 mm / 6 mil
- Min. PCS value: 0.45
- Depth of field (view drawing)
- Depth of field: at PCS 0.9
- 55 - 390 mm / 2.16 - 15.35 in (res. 1.0 mm / 39 mil),
- 30- 240 mm / 1.18 - 9.44 in (res. 0.5 mm / 20 mil),
- 30 - 140 mm / 1.18 - 5.51 in (res. 0.25 mm / 10 mil),
- 30 - 80 mm / 1.18 - 3.14 in (res. 0.15 mm / 6 mil)

Communication specifications

- Interface RS232: supported by cradle
- Interface IrDA: supported on terminal
- Interface RS485: supported by cradle
- Transmission speed: baudrate: 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, Matrix 2of5, MSI/Plessey-UK/Plessey, S-Code, Tri-Optic

Functionality

- Memory ROM: 32 kB
- Memory FlashROM: 2 x 256 kB (total 512 kB)
- Memory fastRAM: 2 kB
- 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: 96 x 64 Pixels graphic LCD with backlight
- Character fonts: 5/10 lines x 16 characters
- Indicators: Piezo buzzer / Good read LED (red/green)
- Keyboard: 19 keys total (18 keys user definable)
- Keyboard mode: Alpha/Numeric mode
- Programming: Functionality is provided by user application. The application may
- be downloaded from PC via cradle.

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: 10 - 50 Hz with 1G for 30 min, cycle for X,Y,Z

Physical specifications

- Dimensions: 135 x 55 x 33 mm / 5.31 x 2.16 x 1.29 in (view drawing)
- Case material: ABS
- Weight body: Ca. 170 g / 6 oz (incl. battery, depending on battery type)

Regulatory

- Laser safety class: IEC 825, Class I laserproduct
- Product compliance: EN 55022, EN 55024

Warranty

- 2 year Manufacturer warranty / Fabrieks garantie

Downloads

Enclosed items

- Backup battery Lithium (CR2032) **Article number : 90003**
- Handstrap **Article number : 10225**

Accessories
Sold separately

- Charging and communication station : IRU-1300 **Article number : 10048**
- Charging and communication station : IRU-1320-GSM/GPRS: (project cradle)
- Communication cable IRU RS232 **Article number : 10836**
- Power supply 9,0V/500mA IRU-13xx **Article number : 10990**
- Rechargeable battery **Article number : 11953**
- Nylon holster PHL-1300 **Article number : 10894**
- Nylon case PHL-1300 Fixed clip **Article number : 10899**
- Nylon case PHL-1300 Swivel clip **Article number : 10896**
- User's manual **Article number : 10272**