

The OPH 1003 is a very reliable, elegant and rugged portable terminal. For data collecting, the terminal comes with 64MB data memory for data storage, accomodating regular or larger inventories.

Handheld terminal

OPH 1003



Features

- Pocket size and light weight
- Rechargeable Lithium-Ion battery pack
- Serial data transmission by cradle

Benefits

- Easy to carry
- Long life battery
- Easy data storage into the computer system

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications: OPH 1003 Portable Terminal

Electrical specifications

Main battery: Lithium-Ion rechargeable (Opticon item)

Backup battery: Lithium (CR2032)

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

Reading pitch angle: +35 - +0°, 0 - -35°

Reading skew angle: -8 - -50°, +8 - +50°

Reading tilt angle: +20 - +0°, 0 - -20°

Curvature: R>15 (EAN8), R>20 (EAN13)

Min. PCS value: 0.45

Depth of field: 70 - 630 mm / 2.76 - 24.80 inches (resolution 1.00), 50 - 400 mm / 1.97 - 15.75 inches (resolution 0.5), 50 - 240 mm / 1.97 - 9.45 inches (resolution 0.25), 50 - 130 mm / 1.97 - 5.12 inches (resolution 0.15), at PCS 0.9 Code 39

Identification

Supported barcode symbologies (1D):

JAN/UPC/EAN/Add-on - NW-7 / Codabar - Chinese post matrix 2of5 - Code 11 - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISMN - ISSN - Korean Postal Authority code - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 (with CC-A/B) - RSS Limited (with CC-A/B) - RSS Expanded (with CC-A/B) - Telepen - Tri-Optic - UCC/EAN-128 (with CC-A)

Supported 2D symbologies: PDF417 - MicroPDF417

Communication

Interfaces: IrDA

Functionality

Memory FlashROM: 2 MB

Memory RAM: 2 MB S-RAM

Memory Expansion: 64 MB internal micro SD

Microprocessor: ARM7, 32 bits

Real time clock: Quartz RTC, time and date programmable, leap year handling, (accuracy +/- 60 sec./month)

Display: 112 X 128 Pixels graphic LCD with backlight

Character fonts: min. 8 lines x 14 characters / max. 21 lines x 18 characters

Keyboard: 23 keys total (12-keys alphanumeric keypad, 4 function keys, 2 navigation buttons, 1 power button, 3 control keys, 2 quick keys, 1 scan button)

Environmental specifications

Temperature in operation: -10 - +50 °C / +14 - +122 F

Temperature in storage: -10 - +60°C / +14 - +140 F

Ambient white light immunity: 4,000 lx max

Ambient fluorescent light immunity: 4,000 lx max

Ambient direct sun light immunity: 80,000 lx max

Shock drop test: 1.5 m / 5 ft drop onto concrete surface

Protection against dust and moisture, according to IEC529: IP 54

Physical specifications

Dimensions: (l x b x t) 136 x 55 x 23 mm / 5.35 x 2.17 x 0.91 inches

Weight body: Ca. 140 g / 4.9 oz

Regulatory

Laser safety class: JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class I

Product compliance: CE, FCC, VCCI, RoHS

Accessories

Sold separately

Cradle: CRD 1001 charging and communication station

Copyright Opticon Sensors Europe B.V. All rights reserved. This information is subject to change without prior notice. Printed 04-2007

- **The Netherlands:** Hoofddorp
- **France:** ISSY Les Moulineaux CEDEX
- **Germany:** Dietzenbach
- **Italy:** Castel Maggiore (BO)
- **Spain:** Valencia
- **Sweden:** Järfälla
- **United Kingdom:** Luton, Bedfordshire
- **U.S.A.:** Orangeburg, NY - Bellevue, WA
- **Japan:** Warabi City
- **Taiwan:** Taipei
- **P.R.China:** Shanghai
- **Australia:** Kariong

Opticon Sensors Europe B.V.
European headquarters
Opaallaan 35
2132 XV Hoofddorp
The Netherlands
phone: +31 (0)23-5692700
fax: +31 (0)23-5638266
email: sales@opticon.com
internet: www.opticon.com

www.opticon.com

OPTICON
always scanning for new ID's