

OPH 1003

Portable Terminal



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

Product Features

Data Collection Device

The high performance laser scanner provides a fast and accurate scan and is immediately ready for the next scan even when the barcodes are printed with low contrast or high density. The terminal transmits the data via IrDA (batch method), through the designated cradle that is developed for this product, acts as charging and communication device in the process of a proved and reliable data collection technology.

Designed for Versatile Environments

The housing of the OPH 1003 is sealed to IP54 standards holding up well in environments where water and dust resistance is required. The scanner withstands multiple drops up to 5 feet (1.5 meters) onto concrete and the elegant design with soft grip provides user comfort when handling this lightweight scanner.

Cabled

Mobile

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications: OPH 1003 Portable Terminal

Electrical

Main battery pack:	Lithium-Ion rechargeable (Opticon item)
Backup battery:	Lithium (CR 2032)
Charging method:	Recharging Lithium-Ion pack in terminal via cradle

Optical

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° to 0°, 0 to +35°
Reading skew angle:	-50° to -8°, +8 to +50°
Reading tilt angle:	-20° to 0°, 0 to +20°
Curvature:	R > 15 mm (EAN8), R > 20 mm (EAN13)
Min. PCS value:	0.45
Depth of field at PCS 0.9 Code 39:	70 - 450 mm / 2.76 - 17.72 in (Res. 1.00 mm / 39 mil), 50 - 320 mm / 1.97 - 12.60 in (Res. 0.50 mm / 20 mil), 50 - 200 mm / 1.97 - 7.87 in (Res. 0.25 mm / 10 mil), 55 - 120 mm / 2.17 - 4.72 in (Res. 0.15 mm / 6 mil)

Symbologies

1D: JAN/UPC/EAN (WPC) incl. add-on, Chinese Post, Codabar/NW-7, Code 11, Code 39, Code 93, Code 128, IATA, Industrial 2of5, Interleaved 2of5, BN/ISMN/ISSN, Korean Postal Authority Code, Matrix 2of5, MSI/Plessey-UK/Plessey, RSS, S-Code, Telepen, Tri-Optic, Composite Codes

2D: MicroPDF417, PDF417

Functionality

Memory FlashROM:	2MB
Memory RAM:	2MB S-RAM
Memory Expansion:	64 MB internal micro SD
Microprocessor:	ARM7, 32-bit
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

Operating temperature:	-10 to 50 °C / 14 to 122 °F
Storage temperature:	-10 to 60 °C / 14 to 140 °F
Ambient fluorescent light rejection:	4,000 lx max.
Ambient white light rejection:	4,000 lx max.
Ambient direct sun light rejection:	80,000 lx max.
Shock drop test:	1.5 m / 5 ft. onto concrete surface
Protection (dust and moisture, IEC529):	IP 54

Physical

Dimensions:	136 x 55 x 23 mm / 5.35 x 2.17 x 0.91 in
Weight body:	Ca. 140 g / 4.9 oz

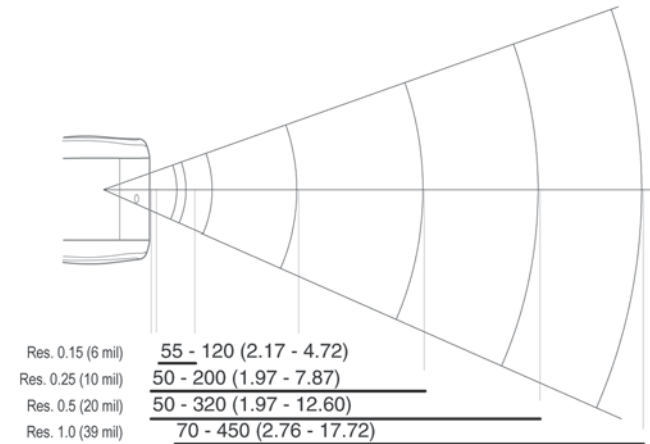
Regulatory

Laser compliance:	JIS-C-6802 Class 1, IEC 60825-1 Class 1, FDA CDRH Class 1
Product Compliance:	CE, FCC, VCCI, RoHS

Typical performance based on good quality symbols in normal room temperature and light conditions.

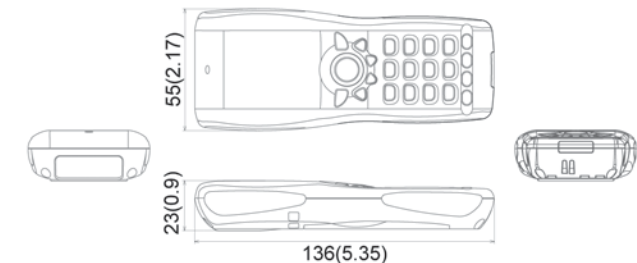
Depth of field

The reading width is a calculated value and is for guidance only.
Unit: mm (in)



Dimensions

Unit: mm (in)



Enclosed items

Battery, Hand strap

Accessories (sold separately)

Cradle: CRD 1001 Serial connection, CRD 1002 Modem connection, CRD 1003 GSM connection

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Version:

- **USA:** Orangeburg, NY - Renton, WA
 - **Japan:** Warabi City
 - **The Netherlands:** Hoofddorp
 - **France:** ISSY Les Moulineaux CEDEX
 - **Germany:** Dietzenbach
 - **Italy:** Castel Maggiore (BO)
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 - **Sweden:** Järfälla
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- **Taiwan:** Taipei
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