



The OPM-2000 series belongs to the Opticon family of omnidirectional barcode laser scanners. With extremely aggressive reading performance and a built-in stand capable of 60 degree skew angles, the OPM-2000 is the right choice for many situations; retail, library, hospital and even logistics. Thanks to its rugged IP54 construction and 1.5 meter drop test rating, the OPM-2000 can also be confidently used as a hand scanner when required.

OMNIDIRECTIONAL

# OPM 2000

Omnidirectional laser scanner



## Features

- IP 54 protection
- Flexibility for Skew angle until 60 degrees
- Scan pattern of several lines

## Benefits

- Highly resistant to dust and moisture
- Supports reading various sized objects
- Instant bar code detection

Cabled

Wireless

Stationary

OEM

**OPTICON**  
always scanning for new ID's

# Specifications

## OPM 2000 Omnidirectional laser scanner

### Electrical specifications

Voltage requirement: 5V ± 5 %

### Optical specifications

Light source: 650 nm visible laser diode

Scan rate: 1000 scans/sec

Reading pitch angle: -50 - 0°, 0 - +50°

Reading skew angle: -60 - -8°, +8 - +60°

Reading rotation angle: 360°

Curvature: R>15 (at EAN13)

Reading width: See D.O.F. diagram

Min. Resolution at PCS 0.9: 0.127 mm (5 mil)

Min. PCS value: 0.35

Depth of field: 0 - 250 mm / 0 - 9.84 inches (Res.0.33), 0 - 200 mm / 0 - 7.87 inches (Res.0.26) at PCS 0.9, EAN13

### Identification

Supported barcode symbologies (1D): JAN/UPC/EAN/Add-on - NW-7 - Code 39 - Code 93 - Code 128 - IATA - Industrial 2of5 - Interleaved 2of5 - Matrix 2of5 - Chinese Post Matrix 2of5 - MSI/Plessey - UK/Plessey - S-Code - Telepen - Tri-Optic

### Communication

Available interfaces: RS232C, Keyboard Wedge, USB(HID)

### Environmental specifications

Temperature in operation: 0 - +40 °C / +32 - +104 F (5 - +40 °C / +41 - +104 F USB interface)

Temperature in storage: -20 - +60 °C / -4 - +140 F

Humidity in operation: 20 - 85 % (non condensing)

Humidity in storage: 20 - 90 % (non condensing)

Ambient fluorescent light immunity: 3,000 lx max

Ambient direct sun light immunity: 70,000 lx max

Antistatic electricity: 15kV (non destructive)

Shock drop test: 1.5 m drop onto concrete surface

Shock vibration test: 10 - 100 Hz with 2G for 3 hours

Protection (dust and moisture, IEC529): IP 54

### Physical specifications

Dimensions: 164 x 104 x 115 mm / 6.45 x 4.09 x 4.52 inches

Weight body: Ca. 480 g / 1.05 pounds

Available colors: Black /White

Connector Keyboard Wedge: MiniDIN F5/M6 with external power

Connector RS232: DB9 F with external power

Connector USB: USB-A with external power

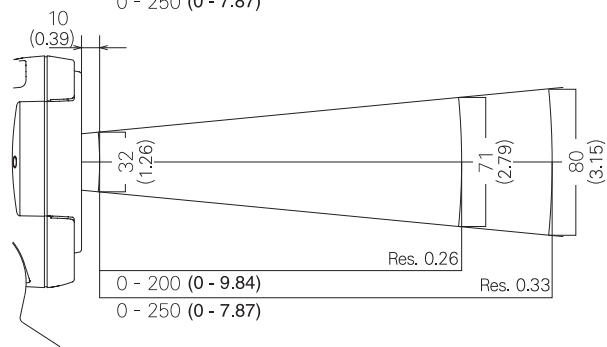
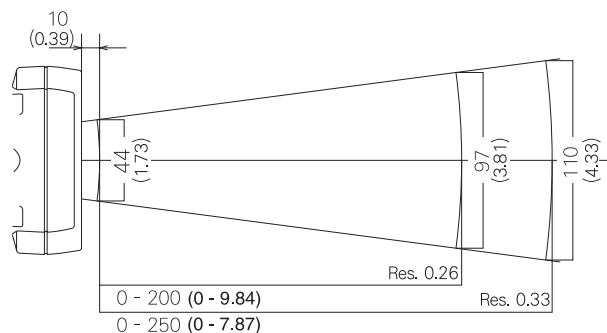
### Regulatory

Laser safety class: IEC 825, Class I laserproduct

EMC: EN 55022, EN 55024, FCC ClassB, CE

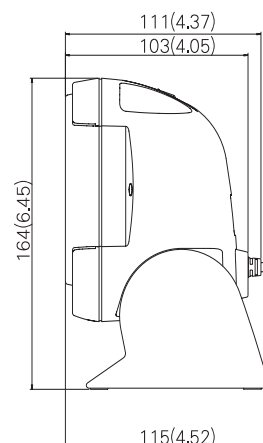
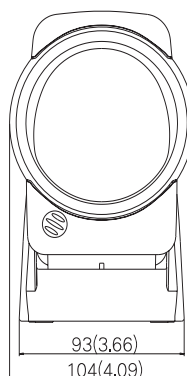
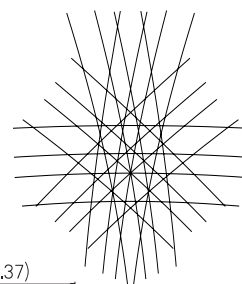
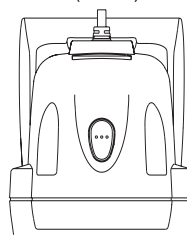
### Depth of field

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



### Dimensions

Unit: mm (inches)



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- **The Netherlands:** Hoofddorp  
- **France:** ISSY Les Moulineaux CEDEX  
- **Germany:** Mainhausen  
- **Italy:** Castel Maggiore (BO)  
- **Spain:** Valencia  
- **Sweden:** Järfälla  
- **United Kingdom:** Luton, Bedfordshire  
- **U.S.A.:** Orangeburg  
- **Japan:** Warabi City

- **Taiwan:** Taipei  
- **P.R.China:** Shanghai  
- **Australia:** Lane Cove

Opticon Limited  
960 Capability Green  
Luton, Bedfordshire LU1 3PE  
United Kingdom  
phone: 01582 - 635 100  
fax: 01582 - 635 200  
email: sales@opticon.co.uk  
internet: www.opticon.com

[www.opticon.com](http://www.opticon.com)

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always scanning for new ID's