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

- Flexiblity 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 - +104F 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

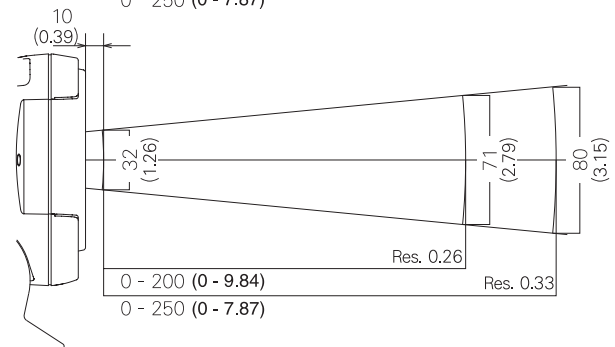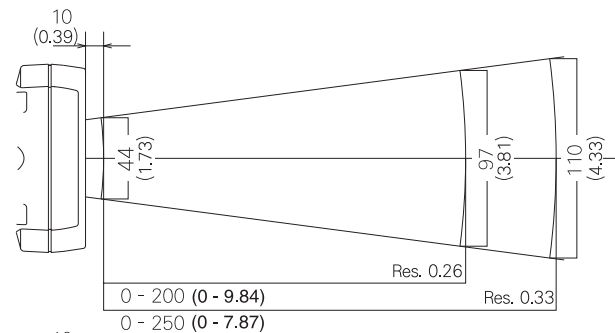Connector USB: USB-A with external power

Regulatory

Laser safety class: IEC 825, Class I laserproduct
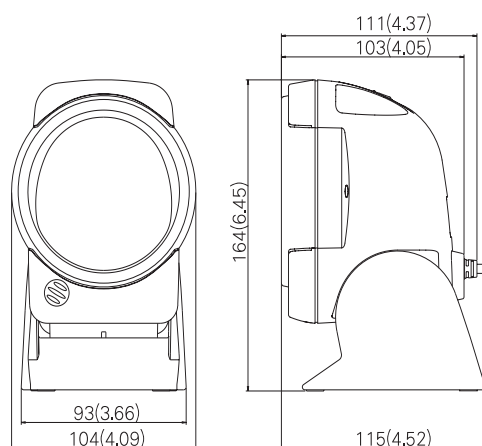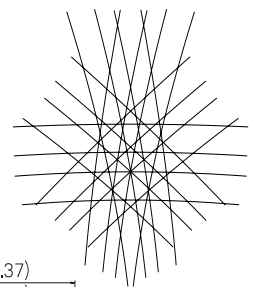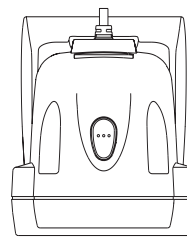
EMC: EN 55022, EN 55024, FCC ClassB, CE

Depth of field

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

Dimensions

Unit: mm (inches)

www.opticon.com

OPTICON

always scanning for new ID's