

OMNIDIRECTIONAL

OPM 2000

Omnidirectional laser scanner



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.

Product Features

IP 54 protection

Highly resistant to dust and moisture

Flexibility for Skew angle until +/- 60 degrees

Supports reading various sized objects

Scan pattern of several lines

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: 5 V $\pm$ 5%

Optical specifications

Light source: 650 nm visible laser diode

Scan rate: 1000 scans/sec

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

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

Reading rotation angle: 360°

Curvature: R>15 mm (EAN13)

Min. resolution at PCS 0.9: 0.127 mm / 5 mil

Min. PCS value: 0.45

Depth of field: at PCS 0.9, EAN13

10 - 260 mm / 0.39 - 10.24 in (res. 0.33 mm / 13 mil),

10 - 210 mm / 0.39 - 8.27 in (res. 0.26 mm / 10 mil)

Communication specifications

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

Identification

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

Environmental specifications

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

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

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

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

Ambient fluorescent light rejection: 3,000 lx max

Ambient direct sun light rejection: 70,000 lx max

Antistatic electricity: 15kV (non destructive)

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

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

Protection (dust and moisture, IEC529): IP54

Physical specifications

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

Weight body: Ca. 480 g / 1 lb 0.9 oz

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

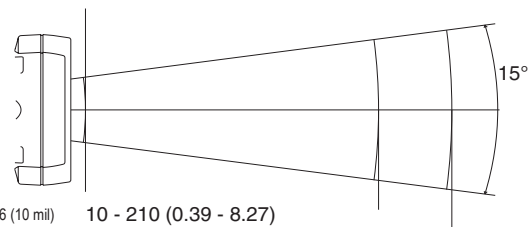
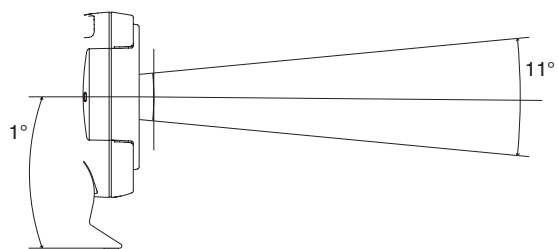
Regulatory

Laser safety class: IEC 825, Class I laser product

Product compliance: EN 55022, EN 55024, FCC ClassB, CE

Depth of field

Unit: mm (in)



Res. 0.26 (10 mil)	10 - 210 (0.39 - 8.27)
Res. 0.33 (13 mil)	10 - 260 (0.39 - 10.24)

Dimensions

unit: mm (in)

