

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, 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.

 [Leaflet OPM 2000 English \(195 kB\)](#)

**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

**Electrical specifications**

- Voltage requirement: 5 V ± 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)
- 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 / 0.00 - 9.84 in (res. 0.33 mm / 13 mil), 0 - 200 mm / 0.00 - 7.87 in (res. 0.26 mm / 10 mil), at PCS 0.9 EAN13

**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

### Functionality

- Interface: RS232C, Keyboard Wedge, USB(HID)

### 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 / 1.05 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 laser product
- Product compliance: EN 55022, EN 55024, FCC ClassB, CE

- Document Management Number: B\_OPM2000\_001

## Depth of field:

