

# OPTICON

## Cabled scanners

# OPR3004

## Long range laser scanner

RS232

Keyboard Wedge

 USB



+ Related products

**OPI2201**

- Cabled device
- 2D CMOS imager with auto-focus
- RS232, Keyboard Wedge, USB



**PHL7142**

- Windows CE
- Long range scanner
- Bluetooth, W-LAN (WiFi), serial connector
- IP 54



**OPR3101**

- Wireless device
- Barcode laser scanner
- Bluetooth



## Operating indicators

- Visual: 1 LED (red/green/orange)
- Non-visual: Buzzer

## Operating keys

- Entry options:  
1 scan key

## Communication

- RS232: DB9 PTF connector with external power supply
- Keyboard Wedge: MiniDIN6 F/M connector
- USB: Ver. 1.1, HID/VCP, USB-A connector

## Power

- Voltage requirement: 5V  $\pm$  10% (Keyboard Wedge and USB), 6V  $\pm$  10% (RS232)
- Current consumption: Max. 130mA (RS232), max. 125mA (Keyboard Wedge and USB)

## Barcode scanner Optics

- Light source: 650 nm visible laser diode
- Scan method: Bi-directional scanning
- Scan rate: 40 scans/sec
- Trigger mode: Manual, auto-trigger
- Reading pitch angle: -20 to 0°, 0 to +20°
- Reading skew angle: -50 to -10°, +10 to +50°
- Reading tilt angle: -5 to 0°, 0 to +5°
- Curvature: R>15 mm (EAN8), R>20 mm (EAN13)
- Min. PCS value: 0.45
- Depth of field: at PCS 0.9, Code 39  
500 - 2800 mm / 19.69 - 110.24 in (1.4 mm / 55 mil),  
450 - 2400 mm / 17.72 - 94.49 in (1.0 mm / 39 mil),  
420 - 1500 mm / 16.54 - 59.06 in (0.5 mm / 20 mil),  
600 - 980 mm / 23.62 - 38.58 in (0.33 mm / 13 mil)

## Supported Symbologies

- Barcode (1D): JAN/UPC/EAN incl. add on, Codabar/NW-7, Code 11, Code 39, Code 93, GS1-128 (EAN-128), GS1 DataBar (RSS), IATA, ISBN, Industrial 2of5, Interleaved 2of5, Matrix 2of5, MSI/Plessey, Telepen
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: MicroPDF417, PDF417

## Durability

- Temperature in operation: -10 to 60 °C / 14 to 140 °F
- Temperature in storage: -30 to 70 °C / -22 to 158 °F
- Humidity in operation: 5 - 95% (non-condensing)
- Humidity in storage: 5 - 95% (non-condensing)
- Ambient light immunity: Fluorescent 4,000 lx max, Direct sun 80,000 lx max, Incandescent 4,000 lx max
- Drop test: 2 m / 6.5 ft drop onto concrete surface
- Vibration test: 10 - 100 Hz with 2G for 30 min
- Protection rate: IP 54

## Physical

- Dimensions (w x h x d):  
68 x 155 x 150 mm / 2.68 x 6.10 x 5.91 in
- Weight body: Ca. 210 g / 7.4 oz (excl. cable)
- Case: ABS, Black

## Regulatory & Safety

- Product compliance: CE, FCC, VCCI, RoHS, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

## Enclosed items

- Power supply 100-240V/0.5A, 50/60 Hz, 6V/2A (for RS232)

## Sold separately

- Stand

## Models

- Interface versions: RS232, Keyboard Wedge, USB

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

- **Taiwan:** Taipei  
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