

# OPTICON

## Wireless Scanners

# OPR3101

## Barcode laser scanner

 **Bluetooth™**

**Serial Cradle**



**+ Related products**

### OPR3004

- Cabled device
- Long range scanner
- RS232, Keyboard Wedge, USB



### OPL9724

- Data Collector
- Barcode laser scanner
- IrDA, Bluetooth
- 3 key operation



### OPL2724

- Wireless device
- Barcode laser scanner
- Bluetooth



### Operating indicators

- Visual: large LED (red/green/blauw)
- Non-visual: Buzzer

### Operating keys

- Entry options:  
1 scan key

### Communication

- Bluetooth: Ver. 1.2, SP, output power class 2, range up to 10 m, master/slave mode, authentication and encryption

### Power

- Current consumption: 165 mA (typical use), max. 220 mA
- Rechargeable battery: Lithium-Ion 3.7 V, 1620 mAh
- Operating time: Ca. 25 hours (1 scan / 5 sec)
- Charging method: Separate cradle  
CHG3101 or CRD3101

### Barcode scanner Optics

- Light source: 650 nm visible laser diode
- Scan method: Bi-directional scanning
- Scan rate: 100 scans/sec
- Trigger mode: Manual, auto-trigger
- Reading pitch angle: -35 to 0°, 0 to +35°
- Reading skew angle: -50 to -8°, +8 to +50°
- Reading tilt angle: -20 to 0°, 0 to +20°
- Curvature: R>15 mm (EAN8), R>20 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, Code 39  
40 - 720 mm / 1.57 - 28.35 in (1.0 mm / 39 mil),  
20 - 430 / 0.79 - 16.93 in (0.5 mm / 20 mil),  
20 - 230 / 0.79 - 9.06 in (res 0.25 mm / 10 mil),  
20 - 120 mm / 0.79 - 4.72 in (0.15 mm / 6 mil),  
30 - 100 mm / 1.18 - 3.94 in (0.127 mm / 5 mil)

### Supported Symbolologies

- 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, Industrial 2of5, Interleaved 2of5, ISBN-ISMN-ISSN, Matrix 2of5, MSI/Plessey, S-Code, Telepen, Tri-Optic, UK/Plessey
- Postal code: Chinese Post, Korean Postal Authority code
- 2D code: Composite codes, MicroPDF417, PDF417

### Durability

- Temperature in operation: -10 to 60 °C / 14 to 140 °F
- Temperature in storage: -20 to 60 °C / -4 to 140 °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 165 x 155 mm / 2.68 x 6.50 x 6.10 in
- Weight body: Ca. 290 g / 10.2 oz (incl. battery)
- Case: ABS, Black or White

### Regulatory & Safety

- Product compliance: CE, FCC, VCCI, RoHS, EN300 328, EN301 489, JIS-C-6802 Class 2, IEC 60825-1 Class 2, FDA CDRH Class II

### Sold separately

- CHG3101 Charging cradle
- CRD3101 Charging and communication cradle

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Opticon Sensors Europe B.V.  
European headquarters  
Opaallaan 35  
2132 XV Hoofddorp  
The Netherlands  
phone: +31 (0)23-5692700  
fax: +31 (0)23-5638266  
email: sales@opticon.com  
internet: www.opticon.com

**OPTICON**  
WWW.OPTICON.COM