

The OPL-2724 is a portable 1D laser scanner with Bluetooth interface. It is extremely compact and lightweight, making it ideal for mobile applications. To ensure that it is constantly available for use, the OPL-2724 is powered by standard LR-3 (AAA) batteries, removing the need for a separate recharging station. Using the OPL-2724 is straight forward - scan a barcode and it is sent immediately to a connected Bluetooth device, such as PDA, notebook, Blackberry or mobile phone.

1D LASER

OPL 2724

Portable laser scanner with Bluetooth interface



Features

- Bluetooth interface
- Powered by standard battery (AAA)
- One button operation
- Lightweight and compact sized (4 x 9.5 cm)
- Barcode collection with data memory

Benefits

- Low cost, reliable wireless communication
- Independent operation (no charging station needed)
- Plain and simple use
- Perfect fit for mobile applications
- Data capture when out of range is possible

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 2724 Portable laser scanner with Bluetooth interface

Electrical specifications

Main dry cell battery: 2 x AAA / LR-3
Main dry cell battery operating time: 48 hours (2scan / 10sec, always-connected)
Backup battery: Rechargeable Lithium-ion battery pack

Optical specifications

Light source: 650 nm visible laser diode
Scan rate: 100 scans/sec
Reading pitch angle: -25 - 0°, 0 - +25°
Reading skew angle: -50 - -08°, +08 - +50°
Reading rotation angle: -20 - 0°, 0 - +20°
Curvature: R>15 (EAN8), R>20 (EAN13)
Reading width: See D.O.F. diagram.
Min. Resolution at PCS 0.9: 0.127 mm (5 mil)
Min. PCS value: 0.45
Depth of field: 55 - 426 mm / 2.16 - 16.77 inches (Res. 1.00), 41 - 331 mm / 1.61 - 3.31 inches (Res. 0.50), 39 - 180 mm / 1.53 - 7.08 inches (Res. 0.25), 35 - 107 mm / 1.37 - 4.21 inches (Res. 0.15), at PCS 0.9, Code 39

Identification

Supported barcode symbologies (1D): JAN/UPC/EAN - UPC+2/+5 - EAN+2/+5 - NW-7 - Codabar incl. ABC and CX - Chinese Post - Code 11 - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - ISBN - ISSN - Korean Postal Authority Code - Matrix 2of5 - MSI/Plessey - UK/Plessey - RSS-14 - RSS Limited - RSS Expanded - S-Code - Telepen - Tri-Optics -
Supported 2D code symbologies: MicroPDF417 - PDF417

Functionality

Trigger mode: Manual
Memory FlashROM: 256 kB
Memory RAM: 32 kB SRAM
Microprocessor: 16-bit CMOS CPU

Communication specifications

Interface: Bluetooth
Details: Ver. 1.2
Output power level: Class 2
Frequency: 2.4 GHz
Profile: GAP, SPP
Operation range: 10 m
Connection mode: 1 to 1
Operation mode: master, slave
Low power mode: park, sniff, hold
Security mode: authentication, encryption

Environmental specifications

Temperature in operation: -5 - +50 °C / +23 - +122 F
Temperature in storage: -10 - +60 °C / 14 - +140 F
Humidity in operation: 30 - 80 % (non condensing)
Humidity in storage: 20 - 90 % (non condensing)
Ambient white light immunity: 3,000 lx max.
Ambient direct sun light immunity: 100,000 lx max.
Ambient incandescent light immunity: 3,000 lx max.
Protection against dust and moisture, According to IEC529: IP 42

Physical specifications

Dimensions: 96 x 40 x 22 mm / 3.78 x 1.57 x 0.86 inches
Weight body: Ca. 50 g / 0.11 pounds

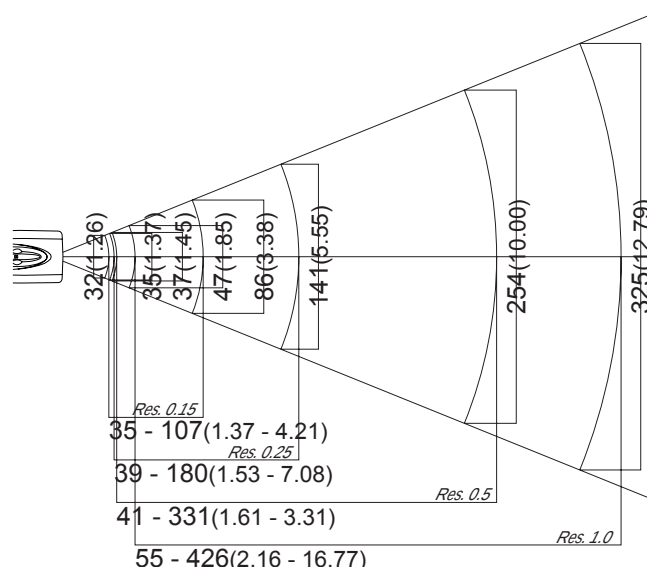
Regulatory

Laser safety class: IEC 825, Class I laser product
EMC: EN 55022, EN 55024
R&TTE: EN 300-328, ETS 300-826

Typical performance based on good quality symbols in normal room temperature and light conditions.

Depth of field

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



Dimensions

Unit: mm (inches)

