

The small sized and light weight OPL 7734 gun is supplied with an integrated bar code laser scanner and a IEEE 802.15 interface. It is battery powered. The body shape and the wireless use allows intuitive operation.

1D laser

# OPL 7734

Handheld laser gun with IEEE 802.15 interface



## Features

- IEEE 802.15 interface
- Laser scan engine
- Light weight scanner
- Ergonomic design

## Benefits

- Wireless communication (1 to n)
- Enables touch- and variable distance reading
- Easy to handle
- Comfortable in use

Cabled

**Wireless**

Stationary

OEM

**OPTICON**  
always scanning for new ID's

## OPL 7734 Handheld laser gun with IEEE 802.15 interface

### Electrical specifications

Main battery pack: Li-Ion rechargeable 3,7 V / nom. 600 mAh

### Optical specifications

Light source: 650 nm visible laser diode

Scan method: vibrating mirror

Scan rate: 100 scans/sec

Decode rate: 100 decodes/sec

Reading pitch angle: +8 - +50°, -8 - -50°

Reading skew angle: ± 25°

Reading rotation angle: 20°

Reading width: 45 - 305 mm, depending on reading distance and bar code label resolution

Min. Resolution at PCS 0.9: 0.15 mm (6 mil)

Min. PCS value: 0.45

Depth of field: 50 - 360 mm (UPC PCS0.9, resolution 1.00), 30 - 270 mm (UPC PCS0.9, resolution 0.50), 30 - 140 mm (UPC PCS0.9, resolution 0.25), 30 - 70 mm (UPC PCS0.9, resolution 0.15)

### Wireless communication specifications

Profile: IEEE 802.15.4

Operation range: depending on environmental characteristics the prospective reach distance is 30 meters

Connection mode: 1 to n

### Identification

Supported barcode symbologies: Chinese Post - Codabar incl. ABC and CX - Code 39 - Code 39 Full ASCII - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - Industrial 2of5 - Interleaved 2of5 - ISBN - ISSN - Italian Pharmaceutical - Matrix 2 of 5 - UPC-A incl. +2,+5 - UPC-E incl. +2,+5

Future extension: MicroPDF417 - PDF417 - RSS-14 - RSS Limited - RSS Expanded

### Functionality

Trigger mode: manual

Configuration: over 300 parameters can be set

Memory FlashROM: 256 kB (for O/S, configurations and temporary data storage)

Memory RAM: 32 kB

Microprocessor: 16-bit

Interface IEEE802.15: supported (see wireless communication specifications)

### Environmental specifications

Temperature in operation: 0 - +40 °C

Temperature in storage: -20 - +60 °C

Humidity in operation: 20 - 80 % (non condensing)

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

Ambient fluorescent light rejection: 3.000 lux max.

Ambient white light rejection: 3.000 lux max.

Ambient direct sun light rejection: 50.000 lux max.

Shock drop test: 1.5 m drop onto concrete surface

Shock vibration test: 12 - 100 Hz with 2G for 1 hour

### Physical specifications

Dimensions: (h x w x d) 150 x 55 x 88 mm

Case material: ABS

Weight body: 130 g

### Regulatory

Laser safety class: IEC 825, Class I laserproduct

EMC: EN 55022, EN 55024

R&TTE: EN 300-328, ETS 300-826

 Complies with EMC 89/336/EEC

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