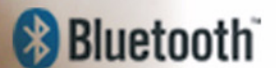


The small sized and light weight OPL7724 gun is supplied with an integrated bar code laser scanner and a bluetooth interface. It is battery powered. The body shape and the wireless use allows intuitive operation

1D laser

OPL 7724

Handheld laser gun with Bluetooth interface



Features

- Bluetooth interface
- SPP and DUN profiles supported
- Laser scan engine
- Light weight scanner
- Ergonomic design

Benefits

- Enables wireless communication
- Allows easy connection to mobile phones and PDA's
- Enables touch- and variable distance reading
- Easy to handle
- Comfortable in use

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 7724 Handheld laser gun with Bluetooth interface

Electrical specifications

Main battery pack	Li-Ion rechargeable 3,7 V / nom. 600 mAh
Backup battery	Lithium rechargeable 3,5 mAh
Backup battery operating time	> 1 week backup
Battery management	To ensure maximum battery life, various bluetooth power saving modes are supported.

Optical specifications

Light source	650 nm visible laser diode
Scan method	vibrating mirror
Target indicator	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 (PCS0.9, resolution 0.25), 30 - 70 mm (UPC PCS0.9, resolution 0.15)

Wireless communication specifications

Frequency	2.4 GHz
Profile	Bluetooth: GAP, SPP, DUN
Operation range	up to 10 meters, depending on environment characteristics
Connection mode	1 to 1
Operation mode	master, slave
Low power mode	park, sniff, hold
Security mode	authentication, encryption

Identification

Supported barcode symbologies	Codabar - 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 - MSI/Plessey - UK/Plessey - Telepen - TriOptic - UPC-A incl. +2,+5 - UPC-E incl. +2,+5
Future extension	Chinese Post - Codabar ABC and CX - ISBN - ISSN

Functionality

Trigger mode	manual
Configuration	over 300 parameters can be set
Memory FlashROM	256 kB (for O/S and program storage)
Memory RAM	32 kB
Microprocessor	16-bit
Interface Bluetooth	supported (see wireless communication specifications)
Transmission speed	baud rate: 115200 bps

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

Regulatory

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