

The laser technology used in the OPL 5735 will scan bar codes at touch and at distance. This ability to read varying distances enables the user to scan labels with different widths.

1D laser

OPL 5735

Laser scanner



Features

- Ergonomic design
- Laser scan engine
- Different interfaces available
- Lower power consumption

Benefits

- Easy to handle
- Enables touch- and variable distance reading
- Easy connectivity RS232, Keyboard Wedge, USB
- Ideal to use as input device for computer hardware

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 5735 Laser scanner

Electrical specifications

Voltage requirement	5 V $\pm$ 5%
Current consumption	80 mA max (at reading, communication off)
Idle current	20 mA max

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	$\pm 30^\circ$
Reading skew angle	+8 - +50°, -8 - -50° (at CODE39 PCS0.9, resolution 0.25, 15% skew, 50mm from window)
Reading tilt angle	20°
Curvature	R>15 (at EAN8), R>20 (at EAN13)
Reading width	50 - 265 mm, depending on reading distance and bar code label resolution
Min. Resolution at PCS 0.9	0.127 mm (5mil)
Min. PCS value	0.45
Depth of field	20 - 300 mm (UPC PCS0.9, resolution 1.00), 0 - 200 mm (UPC PCS0.9, resolution 0.50), 0 - 120 mm (UPC PCS0.9, resolution 0.25), 0 - 42 mm (UPC PCS0.9, resolution 0.15), 0 - 20 mm (UPC PCS0.9, resolution 0.127)

Identification

Supported barcode symbologies	Chinese Post - Codabar ABC and CX - Code 39 - Code 39 Full ASCII - Code 93 - Code 128 - EAN-8 incl. +2,+5 - EAN-13 incl. +2,+5 - EAN-128 - IATA - ISBN - ISSN - Industrial 2of5 - Interleaved 2of5 - Italian Pharmaceutical - Matrix 2of5 - MSI/Plessey - UK/Plessey - Telepen - TriOptic - S-Code - UPC-A incl. +2,+5 - UPC-E incl. +2,+5
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Functionality

Trigger mode	manual, auto-trigger
Available interfaces	Keyboard Wedge: XT/AT and PS2, RS232, USB

Environmental specifications

Temperature in operation	0 - +50 °C
Temperature in storage	-10 - +60 °C
Humidity in operation	20 - 80 % (non condensing)
Humidity in storage	20 - 90 % (non condensing)
Ambient fluorescent light	3.000 lux max.
Ambient white light	3.000 lux max.
Ambient direct sun light	50.000 lux max.
Shock drop test	1.5 m drop onto concrete surface
Shock vibration test	12 - 100 Hz with 2G for 3 hours

Physical specifications

Dimensions	(l x w x d) 161 x 72 x 38 mm
Weight body	80 g
Weight cable	USB ca. 55 gr, RS232 ca. 80 gr., Wedge ca. 65 gr.
Cable length	2 mtr straight
Connector Keyboard Wedge	MiniDIN 6
Connector RS232	DB9 F with external power
Connector USB	USB-A

Regulatory

Laser safety class	IEC 825, Class I laserproduct
EMC	EN 55022, EN 55024

