

This scanner will scan at touch and varying distances, and is able to read varying bar code widths by changing the reading distance.

1D laser

OPL 6835

Handheld laser scanner



Features

- Ergonomic design
- Autotrigger function
- Laser scan engine
- Different interfaces available

Benefits

- Easy to handle
- Handsfree operation possible with optional stand
- Enables touch- and variable distance reading
- Easy connectivity RS232, Keyboard Wedge, USB

Cabled

Wireless

Stationary

OEM

OPTICON
always scanning for new ID's

Specifications

OPL 6835 Handheld laser scanner

Electrical specifications

Voltage requirement	5 V $\pm$ 10%
Current consumption	max. 120 mA
Idle current	20 mA (reader connected but not triggered)

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	$\pm$ 30°
Reading rotation angle	15°
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	up to 330 mm, depending on reading distance and bar code label resolution

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 2 of 5 - 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, auto-trigger stand detection
Configuration	over 300 parameters can be set by RS232 or menu book
Available interfaces	Keyboard Wedge: XT/AT and PS2, RS232, USB

Environmental specifications

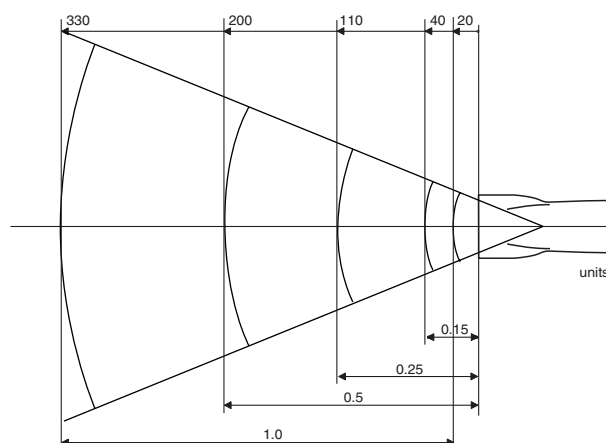
Temperature in operation	0 - +40 °C
Temperature in storage	-10 - +60 °C
Humidity in operation	20 - 80 % (non condensing)
Humidity in storage	20 - 90 % (non condensing)
Ambient fluorescent light	3.000 lux max.
Ambient white light	3.000 lux max.
Ambient incandescent light rejection	50.000 lux max.
Shock drop test	1.5 m drop onto concrete surface
Shock vibration test	12 - 100 Hz with 2G for 1 hour

Physical specifications

Dimensions	(l x w x d) 159 x 57 x 32 mm
Case material	ABS
Weight body	ca. 90 g (excl. cable)
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



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