



OPL 6735

handheld
bar code laser scanner

The small sized and light weight OPL6735 bar code laser scanner with auto-triggering feature will automatically scan a bar code as soon as the label is detected by the scanner. The use of laser technology makes this handheld scanner more flexible than the traditional CCD scanner, as the OPL6735 will scan at touch and at distance. This ability to scan from varying distances means that the user has a tool to read varying bar code label widths by just moving the scanner a bit further or closer to the label. Slightly curved labels can also be read.

If "Hands Free Scanning" is preferred, the scanner can be placed on the supplied auto-trigger stand.

The OPL scanners have all popular interfacing 'on board'. Interfacing options include RS232, keyboard wedge and USB. With the USB interface this scanner can easily be implemented in the latest computer technology.

A large variety of parameters can be programmed by the user through a bar code programming manual.



Features

Benefits

■ Ergonomic design	■ Easy to handle
■ Auto-trigger stand	■ Handsfree operation
■ Variable reading distance	■ Enables touch- and distance reading
■ On-board decoder and interfaces	■ Connects directly to almost all computer systems
■ USB interface	■ Latest computer technology



Auto-trigger stand

Get the ideal working height with the free adjustable arm.



Scan "Hands Free"

Repetitive wrist movements are now over and done.

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Electrical specifications

Voltage requirement	5 V +10%
Current consumption:	max. 150 mA
Rush current:	200 mA (2ms when trigger activated)
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 width	40 - 330 mm, depending on reading distance and bar code label resolution ☐ 68 mm at 30 mm ☐ 123 mm at 100 mm
Resolution at PCS 0.9	0.15 mm (6 mil)
Min. PCS Values	0.45
Depth of field	☐ 20 ~ 330 mm (UPC PCS0.9, resolution 1.00) ☐ 0 ~ 200 mm (UPC PCS0.9, resolution 0.50) ☐ 0 ~ 110 mm (UPC PCS0.9, resolution 0.25) ☐ 0 ~ 40 mm (UPC PCS0.9, resolution 0.15) ☐ 0 ~ 10 mm (UPC PCS0.45, resolution 0.15)

Supported symbologies

Codabar
Code 39
Code 93
Code 128
EAN-8 incl. +2,+5
EAN-13 incl. +2,+5
IATA
ISBN
Industrial 2of5
Interleaved 2of5
Italian Pharmaceutical
MSI/ Plessey
UK/ Plessey
Telepen
UPC-A incl. +2,+5
UPC-E incl. +2,+5
extensions are expected in near future

Functionality

Trigger modes	☐ auto-trigger ☐ RS232 ☐ Manual
Interfaces supported	☐ RS232 ☐ keyboard wedge ☐ USB ☐ optional: OCIA
Configuration	over 250 parameters can be set by RS 232 or menu book

Environmental specifications

Temperature	☐ 0 - +40 °C in operation ☐ -10 - +60 °C in storage
Humidity (non condensing)	☐ 20 - 80 % in operation ☐ 20 - 90 % in storage
Shock	drop: 1.5 m drop onto concrete surface vibration: 12 - 100 Hz with 2G for 1 hour
Ambient light rejection	☐ fluorescent 3.000 lux max. ☐ direct sun 50.000 lux max.
Emission	According to EN50081, part 1 and 2
Immunity	According to EN50082, part 1
Safety, Laser class	According to IEC825, Class I laserproduct

Physical specifications

Dimensions (l x w x d)	159 x 57 x 32 mm
Case material	ABS
Weight	body : 120 g
Standard connector	☐ RS 232: DB9 female with external power ☐ keyboard wedge: DB9 female ☐ USB: USB-A ☐ other connectors available on request

Autotriggerstand

Dimensions	☐ base plate: l x w: 198 x 167 mm ☐ max. height: (exclusive scanner) 244 mm
Weight	270 g (exclusive scanner)
Mounting	desktop



Specifications are subject to change without notice. Printed 10-1999

The Netherlands Hoofddorp - France Issy Les Moulineaux Cedex - Germany Mainhausen
Belgium Villers-La-Ville - U.K. Abingdon - Italy Padova - Sweden Hässelby
Australia Lane Cove - Taiwan Taipei - U.S.A. Orangeburg - Japan Ashibetsu - Warabi

OPTICON