



# 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.

# OPL 6735 handheld bar code laser scanner

## Electrical specifications

Voltage requirement	5 V $\pm$ 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 <input type="checkbox"/> 68 mm at 30 mm <input type="checkbox"/> 123 mm at 100 mm
Resolution at PCS 0.9	0.15 mm (6 mil)
Min. PCS Values	0.45
Depth of field	<input type="checkbox"/> 20 ~ 330 mm (UPC PCS0.9, resolution 1.00) <input type="checkbox"/> 0 ~ 200 mm (UPC PCS0.9, resolution 0.50) <input type="checkbox"/> 0 ~ 110 mm (UPC PCS0.9, resolution 0.25) <input type="checkbox"/> 0 ~ 40 mm (UPC PCS0.9, resolution 0.15) <input type="checkbox"/> 0 ~ 10 mm (UPC PCS0.45, resolution 0.15)
Reading mode	<input type="checkbox"/> normal barcode reading <input type="checkbox"/> <i>optional</i> : parallel reading

## Supported symbologies

Chinese Post  
Codabar ABC and CX  
Code 39  
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  
Laetus  
Matrix 2 of 5  
MSI/ Plessey  
UK/ Plessey  
Telepen  
S-Code  
UPC-A incl. +2,+5  
UPC-E incl. +2,+5

## Functionality

Trigger modes	<input type="checkbox"/> auto-trigger <input type="checkbox"/> RS232 <input type="checkbox"/> Manual
Interfaces supported	<input type="checkbox"/> RS232 <input type="checkbox"/> keyboard wedge (XT/AT, PS2, IBM) <input type="checkbox"/> linker
Configuration	over 300 parameters can be set by RS 232 or menu book

## Environmental specifications

Temperature	<input type="checkbox"/> 0 - +40 °C in operation <input type="checkbox"/> -10 - +60 °C in storage
Humidity (non condensing)	<input type="checkbox"/> 20 - 80 % in operation <input type="checkbox"/> 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	<input type="checkbox"/> fluorescent 3.000 lux max. <input type="checkbox"/> 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	<input type="checkbox"/> RS 232: DB9 female with external power <input type="checkbox"/> keyboard wedge: DB9 female <input type="checkbox"/> USB: USB-A <input type="checkbox"/> other connectors available on request

## Autotriggerstand

Dimensions	<input type="checkbox"/> base plate: l x w: 198 x 167 mm <input type="checkbox"/> max. height: (exclusive scanner) 244 mm
Weight	270 g (exclusive scanner)
Mounting	desktop



Specifications are subject to change without notice. Printed 11-2000