

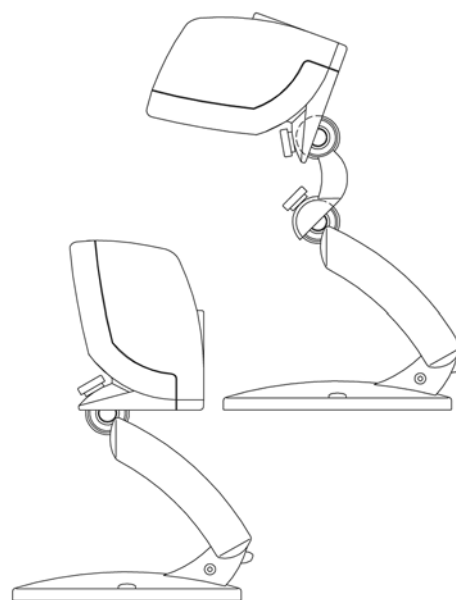
OPM 1736

handheld
omnidirectional scanner

The OPM-1736 is a compact omni-directional laser scanner, which captures a barcode of any orientation with 20 scan lines.

The stand for the OPM-1736 serves as a grip as well when a barcode on a heavy and bulky item is reached for scanning.

The OPM-1736 scanners are available with the interfaces, RS-232C, keyboard wedge or USB.



Features

Benefits

■ Omnidirectional scanning	■ No bar code orientation
■ Scan pattern of 20 lines	■ Barcode is detected instantly
■ Different interfaces available	■ Can be connected to all popular computer systems
■ Compact size	■ Minimum space occupation
■ Light weight	■ Suitable for handheld use
■ Data validation	■ Data output control



SPECIFICATIONS OPM 1736 handheld omnidirectional scanner

Electrical specifications

Voltage requirement 5V DC, +/- 10%

Optical specifications

Light source 650 nm visible laser diode

Scan method rotating polygon mirror

Scan rate 1000 scans/sec

Reading tilt angle ± 35 degr.
(at EAN13 PCS0.9, resolution 0.33, 10% skew, 70mm from window)

Reading skew angle $+8 - +50$ degr. / $-8 - -50$ degr.
(at EAN13 PCS0.9, resolution 0.33, 10% skew, 70mm from window)

Reading tilt angle 360 degr.

Resolution at PCS 0.9 0.15 mm (6 mil)

Min. PCS Values 0.45

Depth of field 40 - 230 mm,
depending on reading distance and bar code label resolution

- 70 ~ 230 mm (EAN13 PCS0.9, resolution 0.66)
- 40 ~ 200 mm (EAN13 PCS0.9, resolution 0.33)
- 40 ~ 110 mm (CODE39 PCS0.9, resolution 0.2)
- 40 ~ 70 mm (CODE39 PCS0.9, resolution 0.15)

Focal plane 70 mm from window

Curvature $R < 20$ at EAN8
 $R < 25$ at EAN13

Physical specifications

Dimensions (h x w x d) 100 x 71 x 79 mm

Case material ABS

Weight body : ca. 200 gr

Cable length 2 mtr straight

Standard connector

- RS 232: DB9 female
additional: external power
- keyboard wedge: DIN5 / miniDIN6
additional: external power
- USB: USB-A
additional: external power

Functionality

Interface options

- RS232
- keyboard wedge (XT/AT, PS/2)
- USB

Configuration over 300 parameters can be set by RS 232 or menu book

Reading options Data validation

Environmental specifications

Temperature

- 0 - +40 °C in operation
- 20 - +60 °C in storage

Humidity (non condensing)

- 20 - 80 % in operation
- 20 - 90 % in storage

Shock vibration: 12 - 100 Hz with 2G for 1 hour

Ambient light rejection

- fluorescent 3.000 lux max.
- white light 3.000 lux max.
- direct sun 20.000 lux max.

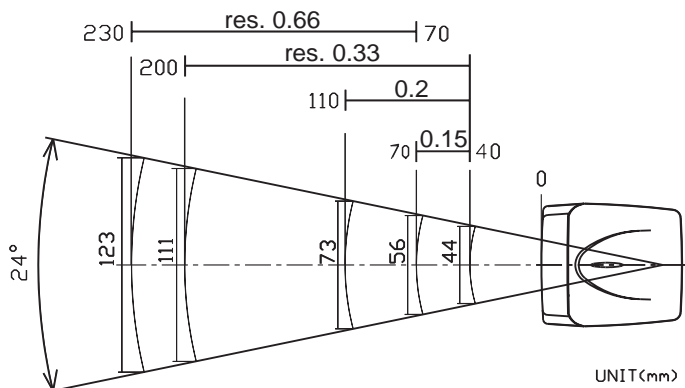
Emission According to EN50081, part 1

Immunity According to EN50082, part 1

Safety, Laser class According to IEC825, Class I laserproduct

Supported symbologies

Codabar
Code39
Code 93
Code128
EAN-8 incl. +2,+5
EAN13 incl. +2, +5
IATA
Industrial 2of5
Interleaved 2of5
MSI/Plessey
UPC-A incl. +2, +5
UPC-E incl. +2, +5



Preliminary specifications are subject to change without notice. Printed 07-2002