

iSCAN101 handheld barcode scanner



- ATEX and IECEx Zones 1, 2, 21, and 22
- All standard 1D, 2D and stacked PDF barcodes
- IP65 fully ruggedised
- RS232 or USB interface

Why the iSCAN101?

High speed recording

Capable of reaching speeds of up to 500 scans per minute, the iSCAN101 records barcodes quickly and accurately.

Easy to use

Ergonomic grip and lightweight yet durable body make the iSCAN101 easy to carry with you. Visual, audio, and vibration feedback lets the user know when a scan is successful. The iSCAN101 also works effectively in bright sunlight, up to 100,000 lux.

Great for hard to reach locations

The scan line is wider than conventional laser scanners, making it easier to see. Combined with the long reading distance, this makes it simple to read barcodes, even in awkward areas.

Impact resistant

No need to worry about dropping the scanner; rigorously tested, the iSCAN101 can withstand 50 drops onto concrete from a height of 2m.

Barcode reading capabilities

iSCAN101: all standard 1D barcodes

iSCAN101PDF: all standard 1D and stacked PDF barcodes

iSCAN1012D: all standard 1D and 2D barcodes

Certification Type

II 2G Ex ib IIC T4
II 2G Ex ib IIC T4 Gb
II 2D Ex ib IIIC T135°C
II 2D Ex ib IIIC T135°C Db

Dimensions

H185 x L104 x W76 mm

IP Rating

IP65

Ambient Operating Temperature

-20°C to +50°C

Storage temperature

-30°C to +70°C

Weight

200g

Humidity

± 95 %, non condensing

Power Supply

4.9 V iSCANPS

Cable length

1.8 or 3.8m depending on cable chosen

Interface

RS232 or USB options

Light source

Visible red light 630 nm

Scanning frequency

500 Hz

Reading distance

50 mm to 800mm

Ambient light resistance

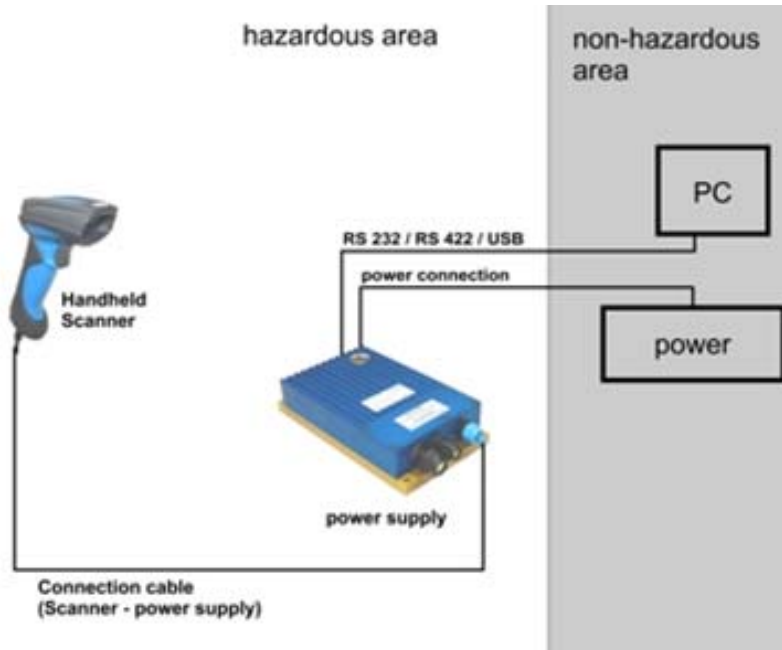
100,000 lx

User feedback

Optical display with 2 LEDs (operating status and read receipt)
Vibration and audible alarm (can be disabled)



System assembly



1D barcodes read:

UPC

Code 128

Codabar

Code 25

UCC/EAN-128

EAN/JAN

Code 39

Code 11

MSI/Plessey

UK/Plessey

Telepen

GS1 Databar

Stacked PDF barcodes read (iSCAN101PDF only):

Composite (type dependent)

PDF417

MicroPDF417

Codablock F

Ordering Information

Description

iSCAN101 handheld scanner, handset only, 1D barcodes

iSCAN101 handheld scanner, handset only, 1D and stacked PDF barcodes

iSCAN101 handheld scanner, handset only, 1D and 2D barcodes—**RS232 only**

Cable to connect scanner handset to power supply:

Scanner cable, RS232, 1.8m

Scanner cable, RS232, spiral, 3.8m

Scanner cable, USB, 1.8m

Scanner cable, USB, spiral, 3.8m

Scanner cable with voltage inhibitor, RS232, 1.8m

Scanner cable with voltage inhibitor, RS232, spiral, 3.8m

Power supply module, DC 24V, RS232, Zone 1

Power supply module, DC 24V, RS232, Zone 1, for iSCAN1012D only

Power supply module, DC 24V, USB, Zone 1

Power supply module, AC 230V, RS232, Zone 1

Power supply module, AC 230V, RS232, Zone 1, for iSCAN1012D only

Power supply module, AC 230V, USB, Zone 1

For more information on the power supply modules, please see the iSCANPS datasheet.

Tripod stand for iSCAN101 and 201

Tabletop stand for iSCAN101 and 201

Extension cable with male connector, 6m, Zone 1

Extension cable with male connector, spiral, 4.5m, Zone 1

Please note that these extension cables may only be used with iSCAN101CAB1, 2, 5, or 6 options

Part number

iSCAN101

iSCAN101PDF

iSCAN1012D

iSCAN101CAB1

iSCAN101CAB2

iSCAN101CAB3

iSCAN101CAB4

iSCAN101CAB5

iSCAN101CAB6

iSCANPS1

iSCANPS12D

iSCANPS2

iSCANPS3

iSCANPS32D

iSCANPS4

iSCANSTRI

iSCANSTAB

iSCANCC1

iSCANCC2