

iSCAN100 Intrinsically Safe Barcode Laser Scanner

Barcode scanning technology for Zone 1 and Zone 2 hazardous areas

ATEX II 2 G EEx ib IIC T4 II 2 D T70°C

-30°C to +50°C

IP65



Overview

The iSCAN100 is the latest development in barcode scanning technology for Zone 1 and Zone 2 hazardous areas. The unit offers a very high specification but at an affordable price as it is based on the very latest ideas in Ex protection technology.

The scanner offers trigger less operation and is ergonomically designed in an IP65 pistol grip housing that is comfortable to use for an operator, even when wearing gloves.

Features and Benefits

Ruggedised Housing

The housing has a rubber protective shield to protect it from dropping on to hard floors.

Multiple Interface options

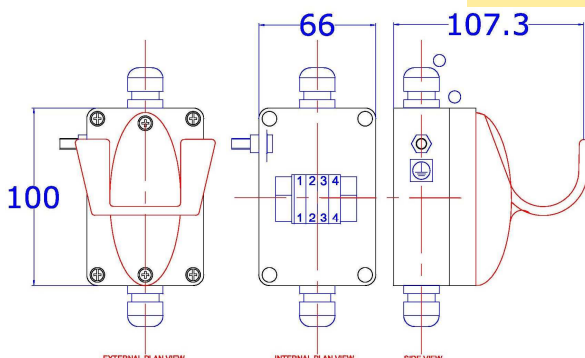
Supplied with a spiral cable the iSCAN100 can be connected to systems by a PS2 keyboard wedge or an RS232 serial interface. Most popular barcode symbologies are supported by the built-in decoder providing the PC or operator terminal with ASCII data. When used with the iSOLTE100 EX04 RS485 data can be obtained.

Longevity & Practicality

A friction free scanning mechanism is designed to be highly reliable and give a long service life. Scanning 72 times per second at up to 297mm away from the barcode makes this unit very practical to use for demanding applications.

Specification

Certification Number	TUV 04 ATEX 2644
Certification Type	II 2G EEx ib IIC T4 II 2 D T 70°C
Dimensions	198mm x 102mm x 40mm (h x w x d)
IP Rating	IP65
Ambient Operating Temperature	-30°C to +50°C
Weight	149 g
Material	Plastic housing with protective rubber shield
Power Supply	165mA drawn from iSOLATE100. PS2, power from the PS2 port on PC. RS232, power from separate supply to iSOLATE100
Electrical Connection	0.9m coiled - >3m extended
Interface	RS232 or PS2 keyboard wedge
Barcode Compatibility	Auto discriminates all standard bar codes. For other Symbologies please call Extronics.
Scan System	Laser diode, 650 nm friction free mechanism
Scanning Range	Up to 297mm (barcode dependant)



iSCAN100 Extender Junction Box



iSCAN100 Wall Mount Holster

Ordering Information

Intrinsically Safe Barcode Scanner

iSCAN100 - [#1] - GD

Please Specify—[#1] Interface Type

PS2 interface	PS2
RS232 interface	RS232
RS232 interface complete with Plug suitable for connection to Challenger BCS option	RS232BCS

Accessories:

iSCAN100 Wall Mounted Holster	4646508
Holder with termination enclosure	iSCAN100JB

Extra long spiral cable for use with RS232 iSCAN100, flying leads for wiring to plugs and sockets etc. 1.8m coiled, >7m extended	iSCAN100-CBL-RS232
Extra long spiral cable for use with PS2 iSCAN100, flying leads for wiring to plugs and sockets etc. 1.8m coiled, >7m extended	iSCAN100-CBL-PS2

Extended cables should be specified when ordered, otherwise they must be retro-fitted by Extronics only. Contact Extronics for custom cable lengths