IS4225

Single-Line Laser Scanner

Honeywell's IS4225 is a versatile, compact and wearable automatic single-line laser scanner that improves productivity with a host of features.

The IS4225 is compact in size and can be easily mounted in tight spaces. Built-in object detection triggers the IS4225 to automatically scan bar codes that enter the scan zone. This functionality makes the IS4225 ideal for presentation scanning in retail or other unattended applications.

When worn on the back of a hand with an optional Velcro glove and connected to a mobile data terminal, the IS4225 becomes a wearable scanner which increases operator mobility and productivity. The wearable kit is equipped with a breakaway cable which quickly disconnects, should a hazardous situation arise.

The advanced decoding algorithms in the IS4225 decodes all standard 1D symbologies with speed and accuracy. The scanner has an ultra-wide scan angle which allows wide bar codes to be scanned close to the face of the scanner. With the simple scan of a few programming codes, the scanner can be reconfigured in the field.

The IS4225 offers users a choice of interfaces, including RS232, keyboard wedge, light pen emulation or USB. Together with its powerful performance and feature set, the IS4225 is the scanning solution of choice for light duty retail, inventory and kiosk applications.

Features

- **Mountable on Back of Hand:** Frees operator's hands while scanning
- **Automatic Scanning:** Facilitates speedy operation by eliminating the need for repeated button presses
- **Small Footprint:** Fits comfortably on the back of the hand, preventing operational fatigue
- **Breakaway Cable:** Allows operators to quickly break away from tethered host system should a hazard occur while scanning
- **Alternate Fixed-Mount:** Mounts to virtually any device, without taking up much space

IS4225 Technical Specifications

Mechanical/Electrical

Dimensions (L × W × H)	70 mm × 49 mm × 24 mm (2.75˝ × 1.94˝ × 0.94˝)
Weight	105 g (3.7 oz)
Termination	Interface and host dependent
Input Voltage	5 VDC ± 0.25 V
Operating Power	135 mA @ 5 VDC - typical
Host System Interfaces	USB, RS232, Keyboard Wedge, Light Pen Emulation

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% relative humidity, non-condensing
Drop	Designed to withstand 1.2 m (4´) drops
Vibration	7 G over 10-500 Hz
Environmental Sealing	Sealed to resist airborne particulate contaminants
Light Levels	Up to 60,000 Lux (5,574 foot-candles)

Scan Performance

Scan Pattern	Single scan line
Scan Speed	52 scan lines per second
Scan Angle	60°
Print Contrast	35% minimum reflectance difference
Tilt, Pitch, Skew	± 30°, ± 56°, ± 58°
Decode Capability	Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic
Warranty	2 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance

LASER LIGHT. DO NOT STARE INTO BEAM
CLASS 2 LASER PRODUCT
1.0 mW MAX OUTPUT: 650nM
IEC 60825-1:1993+A1+A2
Complies with 21 CFR 1040.10 and 1040.11
except for deviations pursuant to Laser
Notice No. 50, dated June 24, 2007.

Typical Performance*	
Narrow Width	Depth of Field
6.8 mil	30 mm - 100 mm (1.2˝ - 3.9˝)
7.5 mil	30 mm - 110 mm (1.2˝ - 4.3˝)
10.4 mil	25 mm - 150 mm (1.0˝ - 5.9˝)
13 mil	25 mm - 200 mm (1.0˝ - 8.0˝)
21 mil	30 mm - 235 mm (1.2˝ - 9.3˝)

*Resolution: 6.8 mil (0.173 mm)
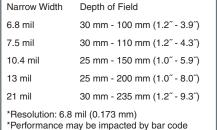*Performance may be impacted by bar code quality and environmental conditions

For more information:

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