

# IS4200

## Features

- **Hands-free or desktop scanning**
- **Fully automatic operation**
- **Lightweight and durable**
- **Breakaway cable for added safety**
- **Short or long range activation**

**Metrologic's IS4200 Series** is a fully automatic single-line laser scanning device.

Incorporating patented activation technology, the IS4200 can be used as both a "hands-free" wearable scanner or a stationary desktop scanner.

Used as a wearable scanner, the IS4200 mounts easily and comfortably to the back of an operator's hand. By mounting the scanner to the back of the hand and connecting to a portable data collector, the operator is not restricted and can freely move about. The scanner reads bar codes automatically as the operator presents the scanner to the code. Whether used for order picking, shipping/receiving, or inventory control, this simple scanning movement will undoubtedly provide

increased flexibility for the operator and ultimately render increased productivity.

The distinct design of the IS4200 allows for the same scanning function and automatic activation, but in a completely different environment. When the IS4200 is connected directly to a personal computer, document scanning and order entry are made simple and fast. By presenting the bar code to the scanner, data can be automatically entered into a computer.

The IS4200 scanner is available in two models: IS4210 is the non-decode model and the IS4220 has built in decoding for applications that use a RS232, Keyboard Wedge, Stand Alone Keyboard, or Light Pen Emulation communication interface.



# IS4200

## OPERATIONAL

Light Source	Visible Laser Diode 675 nm $\pm$ 5 nm
Laser Power	0.800 mW (peak)
Depth of Scan Field	12.7 mm - 203 mm (0.5" - 8") for 0.33 (13 mil) bar code
Width of Scan Field	28.6 mm (1.125") @ face; minimum 102 mm (4") @ 76.2 mm (3")
Scan Speed	52 scan lines per second
Scan Pattern	Single scan line
Minimum Bar Width	0.173 mm (6.8 mil)
Decode Capability	Autodiscriminates all standard bar codes; for others call Metrologic
System Interfaces	RS232, Light Pen, PC Keyboard Wedge, Stand Alone Keyboard
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	42°, 68°, 52°
Beeper Operation	3 tones or no beep
Indicators (LED)	Red = laser on, ready to scan; Green = good read

## MECHANICAL

Dimensions	Length: 70 mm (2.75") Width: 49 mm (1.94") Height: 24 mm (0.94")
Weight	105 grams (3.7 ozs)
Termination	Breakaway connector or 10 position modular RJ45
Cable	Straight breakaway or 1.5 m (5') coiled

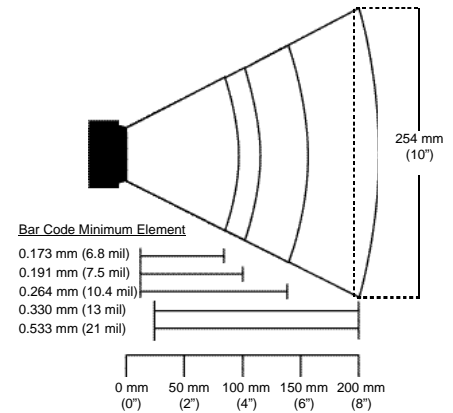
## ELECTRICAL

Input Voltage	5 VDC $\pm$ 0.25 V
Power	IS4210: 0.43 W IS4220: 0.75 W
Operating Current	IS4210: 85 mA IS4220: 135 mA
DC Transformers	Class 2; 5 VDC @ 300 mA
Laser Class	CDRH: Class II, EN60825-1:1994/A11:1996 Class 1
EMC	FCC Class A, CISPR Class A

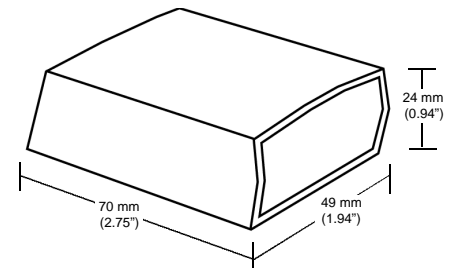
## ENVIRONMENTAL

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
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1.5 m (5') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

## Scan Area



## Dimensions



Specifications subject to change without notice.  
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