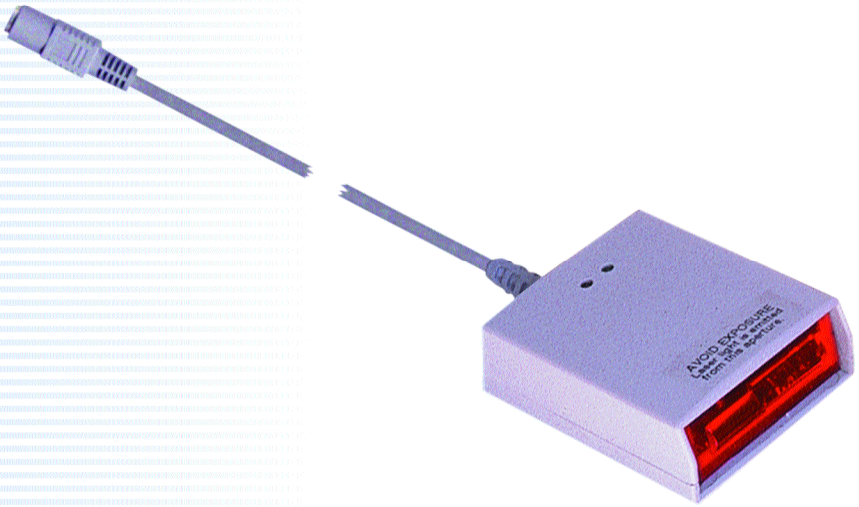



Metrologic®

**IS4200 Series** is a fully automatic single-line laser scanning device. Incorporating patented activation technology, the IS4200 can be used as a "hands-free" wearable scanner or a stationary desktop scanner.

# 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 as "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 ± 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; 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 other symbologies call Metrologic |
| System Interfaces | RS232, Light Pen Emulation, PC Keyboard Wedge, Stand Alone Keyboard, USB |
| 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")<br>Width: 49 mm (1.94")<br>Height: 24 mm (0.94") |
| Weight | 105 g (3.7 oz) |
| Termination | Breakaway connector or 10 position modular RJ45 |
| Cable | Straight breakaway or 1.5 m (5') coiled |

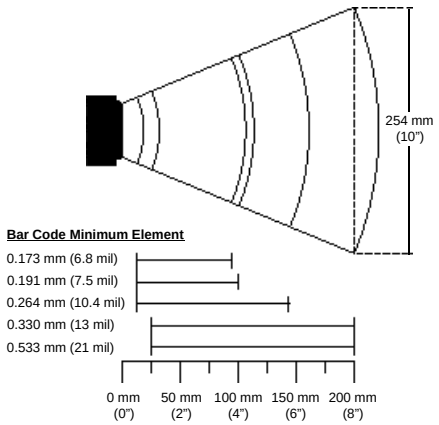
## ELECTRICAL

| | |
|---|---|
| Input Voltage | 5 VDC ± 0.25 V |
| Power | IS4210: 0.43 W<br>IS4220: 0.75 W |
| Operating Current | IS4210: 85 mA<br>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 |

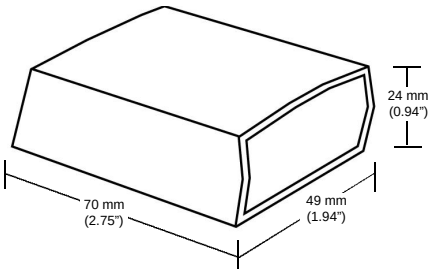
## ENVIRONMENTAL

| | |
|---|---|
| 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*

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DS4200