

MS5145 Eclipse

Single-Line Laser Scanner

Honeywell's MS5145 Eclipse™ is a low cost laser-based alternative to CCD scanners. Its compact form factor and high end feature set simplify its use in a variety of applications at the press of a button.

Eclipse is a single-line, hand-held laser scanner. Equipped with Honeywell's patented CodeGate® technology, Eclipse can be used in a wide variety of applications. CodeGate® technology allows the user to easily target the desired bar code and complete data transmission with the press of a single button. This makes Eclipse a perfect selection for menu scanning, point-of-sale, document processing and inventory control.

With Honeywell's state-of-the-art scanning technology, the MS5145 Eclipse has a longer working range and a wider scan field than a typical CCD. The width of the scan line grows as the scanner moves further away from bar codes.

CodeSense® is a unique feature employed by Eclipse in the absence of infrared object detection. It provides the user with a pulsing laser line for bar code detection. When a bar code is detected, the laser line switches to a constant state to allow for scanning via CodeGate®.

For more information on the MS5145 Eclipse single-line laser scanner, please visit www.honeywell.com/aidc



Features

- **CodeGate:** Zero in on desired code and complete data transmission with the push of a single button—ideal for menu scanning applications
- **CodeSense:** Automatically wakes scanner from sleep mode when a bar code is detected
- **Powerlink Cables:** Uses the same user-replaceable cables and power supplies as Voyager® and Orbit®
- **Flash ROM:** Protects POS investment with free firmware updates via MetroSet2 software and standard PC
- **OPOS and JPOS System Compatible:** Easily adaptable to any end-user system environment

MS5145 Eclipse Technical Specifications

Operational

| | |
|------------------------|---|
| Light Source | Visible Laser Diode 650 nm ± 10 nm |
| Visual Indicators | Green = ready to scan; Red = good read |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 468xx (RS485) |

Mechanical

| | |
|--------------------|---|
| Dimensions (LxWxH) | 169 mm x 63 mm x 51 mm (6.7" x 2.5" x 2.0") |
| Weight | 100 g (3.5 oz) |

Electrical

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|---------------------------|--|
| Input Voltage | 5 VDC ± 0.25 V |
| Operating Power (typical) | 675 mW (125 mA @ 5 V) |
| DC Transformers | Class 2: 5.2 VDC @ 1 A |
| Laser Class | Class 1: IEC60825-1, EN60825-1 |
| EMC | FCC Part 15, ICES-003, EN55022 Class B |

Environmental

| | |
|-----------------------|--|
| Operating Temperature | 0°C to 40°C (32°F to 104°F) |
| Storage Temperature | -40°C to 60°C (-40°F to 140°F) |
| Humidity | 5% to 95% relative humidity, non-condensing |
| Drop | Designed to withstand 1.5 m (5') drops |
| Environmental Sealing | Sealed to resist airborne particulate contaminants |
| Light Levels | 4842 Lux (450 foot-candles) |

Scan Performance

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|-------------------|--|
| Scan Pattern | Single scan line |
| Scan Speed | 72 scan lines per second |
| Scan Angle | Horizontal: 50° |
| Print Contrast | 35% minimum reflectance difference |
| Pitch, Skew | 68°, 52° |
| Decode Capability | Reads standard 1D and GS1 DataBar symbologies. Visit www.honeywell.com/aidc/symbologies for details. |
| Warranty | 3 year factory warranty |



For more information:

www.honeywell.com/aidc

Honeywell Security & Data Collection

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| Typical Performance* | |
|----------------------|------------------------------|
| Narrow Width | Depth of Field |
| 5.2 mil | 0 mm - 51 mm (0" - 2.0') |
| 7.5 mil | 0 mm - 76 mm (0" - 3.0') |
| 10.4 mil | 0 mm - 108 mm (0" - 4.0') |
| 13 mil | 0 mm - 140 mm (0" - 5.5') |
| 26 mil | 25 mm - 178 mm (1.0" - 7.0') |

*Resolution: 4 mil (0.102 mm)
 *Performance may be impacted by bar code quality and environmental conditions

