

# Eclipse 5145

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## Single-Line Laser Scanner

Honeywell's Eclipse™ 5145 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 Eclipse 5145 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®.



## Features

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- **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

# Eclipse 5145 Technical Specifications

## Mechanical

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

## Electrical

|                        |   |
|------------------------|---|
| Input Voltage          | 5 VDC $\pm$ 0.25 V                            |
| Operating Power        | 675 mW (125 mA @ 5 V)                         |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 468xx (RS485) |

## 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   |

## Scan Performance

|                   |  |
|-------------------|--|
| 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. |
| Warranty          | 3 year factory warranty                        |

For a complete listing of all compliance approvals and certifications please visit [www.honeywellaidc.com/compliance](http://www.honeywellaidc.com/compliance)  
 For a complete listing of all supported bar code technologies please visit [www.honeywellaidc.com/symbologies](http://www.honeywellaidc.com/symbologies)



**For more information:**  
[www.honeywellaidc.com](http://www.honeywellaidc.com)

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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

# Honeywell