Honeywell

Eclipse 5145

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

- **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 ± 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
For a complete listing of all supported bar code technologies please visit www.honeywellaidc.com/symbologies

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	

For more information:
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