



## MS5145 Eclipse™

---

**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.**

---

Metrologic's Eclipse is a single-line, hand-held laser scanner. Equipped with Metrologic'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 the data transmission with a simple press of a button. This makes Eclipse a perfect selection for menu scanning, point-of-sale, document processing and inventory control.

With Metrologic'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®.

---

[www.metrologic.com/MS5145](http://www.metrologic.com/MS5145)

---

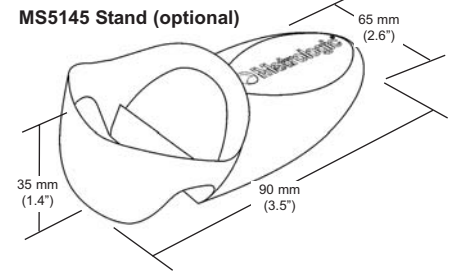
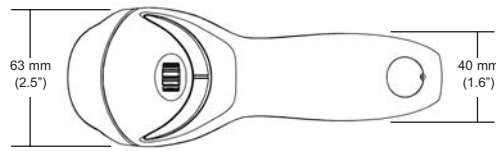
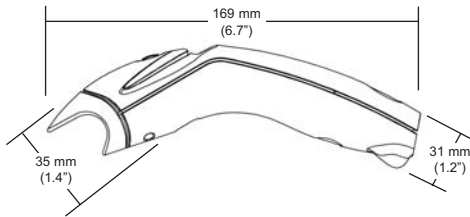


### FEATURES

- CodeGate®
- CodeSense®
- Powerlink cables
- Flash ROM
- OPOS and JPOS system compatible

### BENEFITS

- Zero in on desired code and complete data transmission with the push of a signl button - Ideal for menu scanning applications
- Automatically switches from "pulse mode" to continuous beaming when a bar code is detected
- Uses the same user-replaceable cables and power supplies as Voyager®, Orbit® and Cubit®
- Protects POS investment with free firmware updates via MetroSet2 software and standard PC
- Easily adaptable to any end-user system environment



## OPERATIONAL

Light Source	Visible Laser Diode 650 nm ± 10 nm
Decode Capability	Autodiscriminates all standard bar codes, including RSS; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, IBM 468x/469x, Stand Alone Keyboard, USB
Number Characters Read	Up to 80 data characters
Beeper Operation	7 tones or no beep
Indicators (LED)	Green = laser on, ready to scan; Red = good read

## MECHANICAL

Length	169 mm (6.7")
Width	Head: 63 mm (2.5") Handle: 40 mm (1.6")
Height	Head: 35 mm (1.4") Handle: 31 mm (1.2")
Weight (w/o cable)	97 g (3.41 oz)
Termination	10 pin modular RJ45
Cable	Standard 1.5 m (5') straight; optional 2.7 m (9') coiled

## ELECTRICAL

Input Voltage	5 VDC ± 0.25 V
Power	675 mW
Operating Current	135 mA @ 5 VDC
DC Transformers	Class 2; 5.2 VDC @ 200 mA; or Class 2, 5.2 VDC @ 650 mA
Laser Class	IEC 60825-1:1993 + A1:1997 + A2:2001 Class 1
EMC	FCC, ICES-003 & EN55022 Class B

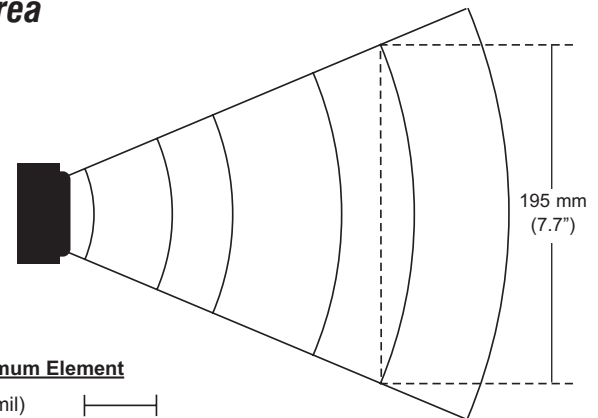
## ENVIRONMENTAL

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

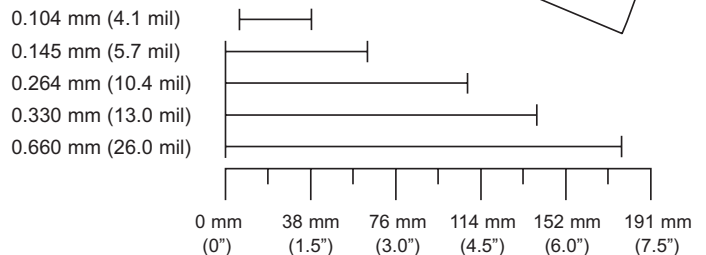
## SCAN PERFORMANCE

Depth of Scan Field	0 mm - 140 mm (0" - 5.5") for 0.33 mm (13 mil) bar codes
Width of Scan Field	49 mm (1.9") @ face; 195 mm (7.7") @ 140 mm (5.5")
Scan Speed	72 scan lines per second
Scan Pattern	Single scan line
Minimum Bar Width	0.102 mm (4 mil)
Print Contrast	35% minimum reflectance difference
Roll, Pitch, Yaw	42°, 68°, 52°

## Scan Area



## Bar Code Minimum Element



Product Colors Available



MS5145 is available in a variety of other colors with minimum quantity purchase



Revision: G + above



Sunrise 2005 Compliant

ISO 9001:2000

Specifications subject to change without notice. Printed U.S.A. Copyright January 2008 Metrologic, All rights reserved.



Metrologic Instruments, Inc. | **Worldwide Headquarters**  
 90 Coles Road | Blackwood, NJ 08012-4683 | info@metrologic.com  
 Telephone 856-228-8100 | Fax 856-228-6673 | www.metrologic.com

**Asian Headquarters**  
 Tel. 65.6842.7155  
 info@sg.metrologic.com

**European Headquarters**  
 Tel. 49.89.89019.0  
 info@eu.metrologic.com

**The Americas Headquarters**  
 Tel. 1.800.ID.METRO  
 info@us.metrologic.com



DS5145