



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

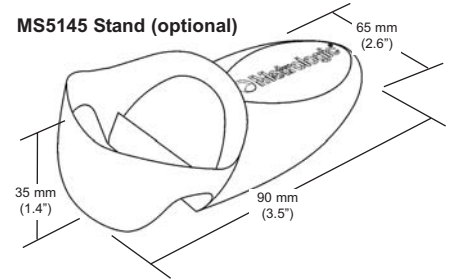
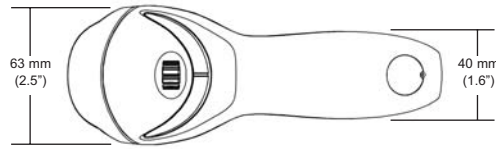
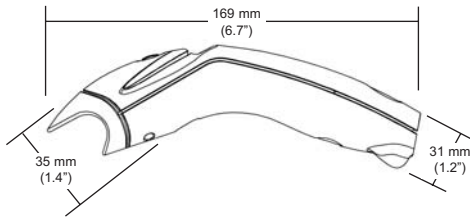


FEATURES

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

BENEFITS

- 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®
- Update firmware from any PC via MetroSet2® software provided by Metrologic
- 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 |

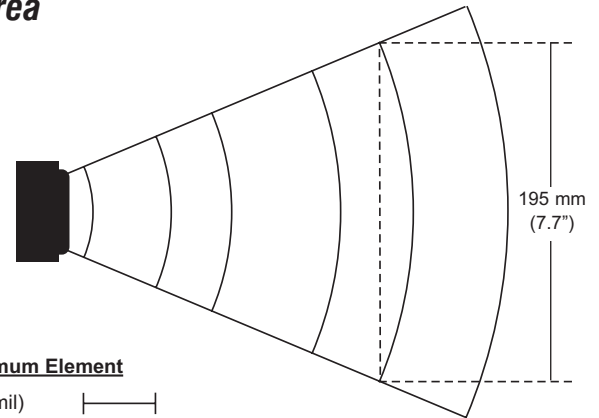
ENVIRONMENTAL

| | |
|-----------------------|--|
| 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 |

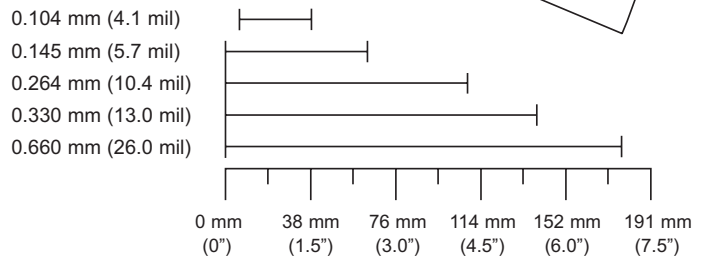
SCAN PERFORMANCE

| | |
|---------------------|--|
| 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

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ISO 9001:2000

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DS5145