

# MS9590 VoyagerGS

## Single-Line Laser Scanner

Honeywell's MS9590 VoyagerGS™ hand-held, single-line laser scanner increases productivity by offering an aggressive solution for scanning all standard 1D bar codes.

As the newest addition to the industry-leading Voyager® series, the MS9590 VoyagerGS features a new ergonomic design that maximizes comfort and reduces fatigue for customers desiring a trigger-activated, hand-held laser scanner. This new form factor makes the scanner ideal for a variety of applications, including retail point-of-sale, office automation and healthcare settings.

Optional integration of an RF EAS antenna allows retailers to save time and money by simultaneously deactivating EAS tags and decoding bar codes.

The VoyagerGS ensures speed and accuracy by combining patented automatic infrared activation technology with an enhanced depth-of-field. This scanner also includes Honeywell's patented CodeGate® technology which easily completes data transmission with a single trigger pull.

The MS9591 VoyagerGS is ideal for applications that require high-density scanning, such as electronics manufacturing. The MS9591 delivers quick and accurate scanning of 1D bar codes as small as 3 mil.

The MS9590 can be configured at no cost by using either the MetroSelect® Single-Line Configuration Guide or MetroSet®2 software via a RS232 or USB interface. The MS9590 also has the ability to format bar code data to meet the specific requirements of host systems.

For presentation scanning, Honeywell offers a flexible stand with automatic in-stand detection technology.

For more information on the MS9590 VoyagerGS single-line laser scanner, please visit [www.honeywell.com/aidc](http://www.honeywell.com/aidc)



## Features

- **Ergonomic Design:** Fits comfortably into a wide array of hand sizes
- **100 Scans Per Second:** Improves scan aggressiveness with increased scanning speed
- **Durable Construction:** Reduces downtime and service costs
- **Automatic In-Stand Detection:** Allows seamless transition from hand-held to presentation mode scanning
- **Optional Integration of RF EAS Antenna:** Increases efficiency by simultaneously deactivating RF EAS tags and decoding bar codes

# MS9590 VoyagerGS Technical Specifications

## Operational

|                        |  |
|------------------------|--|
| Light Source           | Visible Laser Diode 650 nm ± 10 nm                                   |
| Audible Indicators     | 7 tones or no beep   |
| Visual Indicators      | Blue = ready to scan; White = good read; Yellow = automatic scanning |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 46xx (RS485)                         |

## Mechanical

|                    |  |
|--------------------|--|
| Dimensions (LxWxH) | 160 mm x 65 mm x 100 mm (6.3" x 2.6" x 3.9") |
| Weight             | 150 g (5.3 oz)                               |

## Electrical

|                 |  |
|-----------------|--|
| Input Voltage   | 5 VDC ± 0.25 V                         |
| Operating Power | 650 mW (130 mA @ 5 V) - typical        |
| Standby Power   | 375 mW (75 mA @ 5 V) - typical         |
| 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 | IP31  |
| Light Levels          | 4842 Lux (450 foot-candles)                 |

## Scan Performance

|                     |   |
|---------------------|---|
| Scan Pattern        | Single scan line  |
| Scan Speed          | 100 scan lines per second   |
| Scan Angle          | Horizontal: 44°   |
| Print Contrast      | 35% minimum reflectance difference  |
| Tilt, Pitch, Skew   | 42°, 68°, 52°   |
| Decode Capabilities | Code 39, Code 93, Code 128, UPC/EAN/JAN, Code 2 of 5, Code 11, Codabar, MSI Plessey, GS1 DataBar, Telepen, Trioptic |



### For more information:

[www.honeywell.com/aidc](http://www.honeywell.com/aidc)

### Security & Data Collection

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| MS9590 Typical Performance*   |                               |
|---|-------------------------------|
| Narrow Width  | Depth of Field                |
| 5.2 mil   | 83 mm - 108 mm (3.3" - 4.3")  |
| 7.5 mil   | 38 mm - 178 mm (1.5" - 7.0")  |
| 10.4 mil  | 32 mm - 254 mm (1.3" - 10.0") |
| 13 mil  | 0 mm - 305 mm (0" - 12.0")    |
| 26 mil  | 12 mm - 445 mm (0.5" - 17.5") |
| *Resolution: 5.0 mil (0.127 mm)   |                               |
| *Performance may be impacted by bar code quality and environmental conditions |                               |

| MS9591 Typical Performance*   |                             |
|---|-----------------------------|
| Narrow Width  | Depth of Field              |
| 4.0 mil   | 25 mm - 45 mm (1.0" - 1.8") |
| 5.2 mil   | 22 mm - 55 mm (1.0" - 2.2") |
| 7.5 mil   | 20 mm - 64 mm (0.8" - 2.5") |
| 10.4 mil  | 0 mm - 72 mm (0" - 2.8")    |
| 13 mil  | 0 mm - 100 mm (0" - 4.0")   |
| *Resolution: 3.0 mil (0.075 mm)   |                             |
| *Performance may be impacted by bar code quality and environmental conditions |                             |

