

MS9590i VoyagerGS

Industrial-Grade Single-Line Laser Scanner

Honeywell's MS9590i VoyagerGS™ hand-held laser scanner delivers a rugged and reliable solution for scanning all standard 1D bar codes in challenging environments.

The MS9590i incorporates reinforced housing which is ideal for light industrial and warehousing applications. An IP54-rated design protects the scanner from exposure to dust and splashing water. From distances as high as 1.8 meters, withstanding repeated falls presents no problem for this industrial-grade scanner.

Honeywell ensures speed and accuracy on the MS9590i, by combining patented automatic infrared activation technology with an enhanced depth-of-field. The MS9590i also includes Honeywell's patented CodeGate® technology which easily completes data transmission with a single trigger pull.

The MS9591i VoyagerGS is ideal for applications that require high-density scanning, such as electronics manufacturing. The MS9591i delivers quick and accurate scanning of 1D bar codes as small as 3 mil.

Configure the MS9590i at no cost using either the MetroSelect® Single-Line Configuration Guide or MetroSet®2 software via a RS232 or USB interface. The MS9590i 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. Save valuable counter space by choosing a wall-mount stand.

For more information on the MS9590i VoyagerGS industrial-grade single-line laser scanner, please visit www.honeywell.com/aidc



Features

- **IP54-rated:** Withstands exposure to dust and splashing water
- **Ergonomic Design:** Fits comfortably into a wide array of hand sizes
- **Durable Construction:** Endures multiple falls from distances as high as 1.8 meters, reducing downtime and service costs
- **100 Scans Per Second:** Improves scan aggressiveness with increased scanning speed
- **Automatic In-Stand Detection:** Allows seamless transition from hand-held to presentation mode scanning

MS9590i VoyagerGS Technical Specifications

Operational

| | |
|------------------------|--|
| Light Source | Visible Laser Diode 650 nm ± 10 nm |
| Visual Indicators | Blue = ready to scan; White = good read; Yellow = automatic scanning |
| Host System Interfaces | USB, RS232, Keyboard Wedge, IBM 46xx (RS485) |

Mechanical

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

Electrical

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|---------------------------|--|
| Input Voltage | 5 VDC ± 0.25 V |
| Operating Power (typical) | 650 mW (130 mA @ 5 V) - typical |
| Standby Power (typical) | 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 50°C (32°F to 122°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 1.8 m (6') drops |
| Environmental Sealing | IP54 |
| 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 |
| Pitch, Skew | 68°, 52° |
| Decode Capability | Reads standard 1D and GS1 DataBar symbologies. Visit www.honeywell.com/aidc/symbologies for details. |
| Warranty | 3 years |



For more information:

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| MS9590i 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

Honeywell