Honeywell

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 quickly.

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

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 Specications

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	
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 (typical)	650 mW (130 mA @ 5 V)
Standby Power (typical)	375 mW (75 mA @5 V)
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 reAectance difference
Pitch, Skew	68°, 52°
Decode Capabilities	Reads standard 1D and GS1 DataBar symbologies. Visit www.honeywell.com/aidc/symbologies for details.

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	

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