MS9590 Voyager*GS*

Single-Line Laser Scanner

Honeywell's MS9590 Voyager*GS*™ 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 Voyager*GS* 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 Voyager*GS* ensures speed and accuracy by combining patented automatic infrared activation technology with an enhanced depth-of-field. This scanner also includes Honeywell's patented Code*Gate*® technology which easily completes data transmission with a single trigger pull.

The MS9591 Voyager*GS* 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 Voyager*GS* 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 Voyager*GS* 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

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

For more information:

www.honeywell.com/aidc

Security & Data Collection

Honeywell Scanning & Mobility

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