

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
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

Dimension (LxWxH)	160 mm x 65mm 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 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
Tilt, Pitch, Skew	42°, 68°, 52°
Decode Capability	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

Security & Data Collection

Honeywell Scanning & Mobility
 Honeywell
 90 Coles Road
 Blackwood, NJ 08012
 856.228.8100
www.honeywell.com

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	

MS9591i 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	