VoyagerGS 9590i

Industrial-Grade Single-Line Laser Scanner

Honeywell's VoyagerGS™ 9590i hand-held laser scanner delivers a rugged and reliable solution for scanning all standard 1D bar codes in challenging environments.

The 9590i 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 9590i, by combining patented automatic infrared activation technology with an enhanced depth-of-field. The 9590i also includes Honeywell's patented CodeGate® technology which easily completes data transmission with a single trigger pull.

The VoyagerGS 9591i is ideal for applications that require high-density scanning, such as electronics manufacturing. The 9591i delivers quick and accurate scanning of 1D bar codes as small as 3 mil.

Configure the 9590i at no cost using either the MetroSelect® Single-Line Configuration Guide or MetroSet®2 software via a RS232 or USB interface. The 9590i 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.

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

VoyagerGS 9590i Technical Specifications

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
Host System Interfaces	USB, RS232, Keyboard Wedge, IBM 46xx (RS485)

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

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
Warranty	3 year factory warranty

For a complete listing of all compliance approvals and certifications, please visit www.honeywellaidc.com/compliance
For a complete listing of all supported bar code symbologies, please visit www.honeywellaidc.com/symbologies

9590i 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

For more information:

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