



**MS9520 Voyager®** is an advanced auto-trigger, single line laser bar code scanner that is equally effective hand held or in the stand for presentation scanning.



# MS9520 Voyager®

## Features

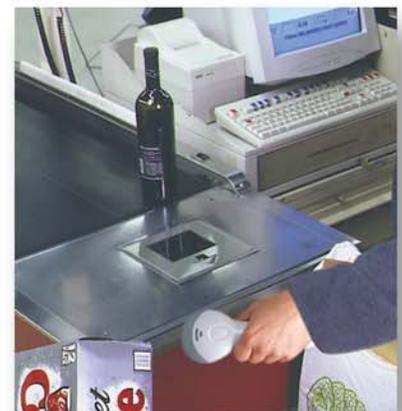
- Automatic trigger
- Decodes RSS-14, RSS Limited and RSS Expanded bar codes
- User-replaceable, single cable interface to host
- Adjustable stand
- Firmware updates via Flash ROM
- Custom edit the bar code data
- Easy programming using Windows® software or bar codes
- Supports commonly used interfaces, including Keyboard Wedge and USB
- OPOS and JPOS system compatible

**Metrologic's MS9520 Voyager** with a futuristic design and high-performance scanning system represents the best auto-triggered scanner value on the market.

Metrologic's goal was to develop a hand-held scanner that was equally effective as a presentation device and would incorporate several innovative new features while making it durable enough to offer a five year warranty. Flash ROM upgrades, data editing utilities and user-replaceable cables lead the extensive features list of what has become the industries guide for measuring hand-held laser bar code scanners, MS9520 Voyager.

Flash ROM allows the firmware to be upgraded easily, and as software updates become available, each Voyager can be updated with all of the latest features utilizing an easy-to-use Windows®-based program. Using Bits 'n' Pieces® data editing utility, users can custom-edit the bar code data to meet the requirements of the host system.

Voyager includes the ability to decode the emerging Reduced Space Symbology (RSS). Industries including supermarkets, pharmaceutical, and healthcare are beginning to utilize this new symbology. For those Voyager's already deployed, an online Flash ROM upgrade is available at [www.metrologic.com](http://www.metrologic.com).



# MS9520 Voyager®

## OPERATIONAL

Light Source	Visible Laser Diode 650 nm $\pm$ 10 nm
Laser Power	0.96 mW (peak)
Depth of Scan Field (programmable)	0 mm - 203 mm (0" - 8") for 0.33 mm (13 mil) bar codes
Width of Scan Field	64 mm (2.5") @ face; 249 mm (9.8") @ 203 mm (8.0")
Scan Speed	72 $\pm$ 2 scan lines per second
Scan Pattern	Single scan line
Minimum Bar Width	0.127 mm (5.0 mil)
Decode Capability	Autodiscriminates all standard bar codes, including RSS; for other symbologies call Metrologic
System Interfaces	PC Keyboard Wedge, RS232, OCIA, Light Pen Emulation, Non-decode Emulation, IBM 468X/469X, Stand Alone Keyboard, USB (low speed and full speed)
Print Contrast	35% minimum reflectance difference
Number Characters Read	Up to 80 data characters
Roll, Pitch, Yaw	42°, 68°, 52°
Beeper Operation	7 tones or no beep
Indicators (LED)	Green = laser on, ready to scan; yellow = auto trigger mode active; red = good read

## MECHANICAL

Height	198 mm (7.8")
Depth	40 mm (1.6")
Width	Handle - 45 mm (1.8"); Head - 78 mm (3.1")
Weight	149 g (5.25 oz)
Termination	10 pin modular RJ45
Cable	Standard 2.7 m (9') coiled; optional 2.1 m (7') straight

## ELECTRICAL

Input Voltage	5 VDC $\pm$ 0.25 V
Power - Operating	500 mW
Power - Standby	110 mW
Current - Operating	100 mA typical @ 5 VDC
Current - Standby	22 mA typical @ 5 VDC
DC Transformers	Class 2; 5.2 VDC @ 650 mA
Laser Class	CDRH: Class II; IEC 60825-1:1993+A1:1997+A2:2001
EMC	FCC, 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
Light Levels	Up to 4842 Lux (450 footcandles)
Shock	Designed to withstand 1.5 m (5') drops
Contaminants	Sealed to resist airborne particulate contaminants
Ventilation	None required

Voyager is available in the following colors



www.metrologic.com

**USA**  
Tel. 1.800.ID.METRO  
info@metrologic.com

**Asia**  
Tel. 65.6842.7155  
info@sg.metrologic.com

**AOA (only)**  
Tel. 1.617.806.1400  
info@aaa.metrologic.com

**China (only)**  
Tel. 86.512.62572511  
info@cn.metrologic.com

**South America**  
Tel. 5511.5182.7273  
info@sa.metrologic.com

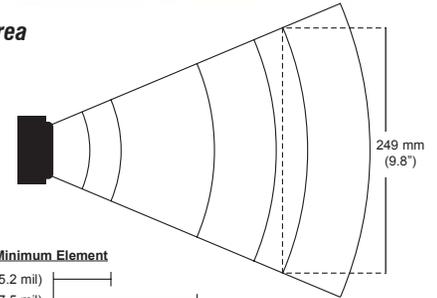
**Japan (only)**  
Tel. 81.03.3839.8511  
info@jp.metrologic.com

**Brazil (only)**  
Tel. 5511.5182.8226  
info@br.metrologic.com

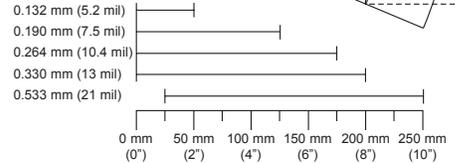
**Europe**  
Tel. 49.89.89019.0  
info@europe.metrologic.com



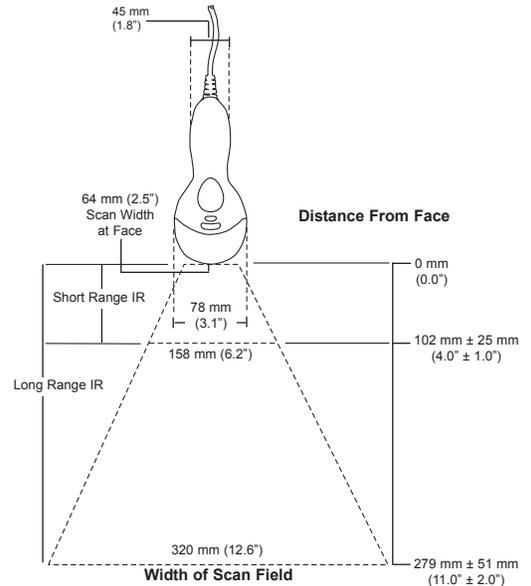
## Scan Area



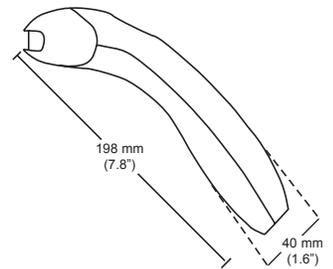
## Bar Code Minimum Element



## IR Activation and Scan Width



## Dimensions



Specifications subject to change without notice.  
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DS9520