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# LS 2208 Bar Code Scanners



[2005 Sunrise Date Compliant](#)

## Investment Protection and Maximum Productivity

The innovative LS 2208 hand-held scanner from Symbol Technologies delivers performance features at an affordable price to make your buying decision easier than ever. If you're seeking investment protection and great value in a small, light scanner that assures maximum productivity, then the LS 2208 is the ideal scanner for you.

From the checkout line to the back room, the LS 2208 helps you make the most of your application-specific solution in a variety of ways including:

- **Retail:** Point of sale; in store inventory tracking
- **Healthcare:** Pharmacy; inventory control
- **Education:** Book checkout; inventory and asset tracking

## Powerful Features Help You Get Started Fast and Reduce Costs

Getting started with the LS 2208 is fast and simple with 123Scan setup utility. This easy-to-use tool reduces startup time and costs wherever the scanner is used. To further save you money, the scan element in the LS 2208 is based on a liquid injection process that delivers integral shock protection, providing durability you can count on. These powerful features enable you to reduce downtime and keep maintenance costs to a minimum.

## Create a More Productive Mobile Environment

In any industry, the high-value LS 2208 hand-held scanner offers superior performance, excellent reliability and user-friendly ergonomics to create a more productive mobile environment. And when you choose the LS 2208, you receive the added assurance of purchasing from Symbol—a company with proven solutions and millions of scanner installations worldwide.

Features	Benefits
Durable scan element design	Improved scanning performance without friction or wear to protect your hardware investment
Working range: contact to 17 in./43 cm on 100% UPC/EAN symbols	Improves user productivity
Multiple interfaces on-board	Ensures flexible connectivity, allowing for host "future proofing"
Fast performance at 100 scans per second	Increased productivity resulting in shorter check-out lines and better customer service
Reduced Space Symbology® (RSS)	Compatible with emerging symbology to leverage your hardware investment

Global Trade Item Number™ (GTIN™) Compliant	Capable of decoding and transmitting 14-digit GTINs where appropriate
Advanced Data Formatting (ADF) enables users to modify data prior to sending to host computer	Eliminates costly modifications to the host software
Universal cables for sharing	Shares cabling with other Symbol scanners for easy replacement and/or upgrades
Bright LED and beeper with adjustable volume	Multiple modes of confirmation ensure positive user feedback
Flash memory	Facilitates updates/customization of product in the field
Hands-free Intellistand™	Enables presentation scanning and easy switching between hands-free and handheld modes
Ergonomic design	Reduces user fatigue with sleek, balanced form for maximum user comfort and productivity

## LS 2208 Specification Highlights

Physical Characteristics	
Dimensions:	6 in. H x 2.5 in. W x 3.34 in. D 15.2 cm H x 6.3 cm W x 8.4 cm
Weight:	5.15 oz./146 gm
Voltage:	5 volts +/- 10%
Current:	130 mA typical, 175 mA max
Stand-by Current (USB suspend current)	<500µA
Power Sources:	Host power or external power supply
Color:	Cash Register White or Twilight Black
Performance Characteristics	
Scanner Type:	Bi-directional
Light Source:	650 nm visible laser diode
Scan Rate:	100 scans per second typical
Nominal Working Distance:	From contact to 17 in./43 cm on 100% U.P.C./EAN symbols
Print Contrast:	20% minimum reflective difference
Roll (Tilt): <sup>1</sup>	1 +/- 30 degrees
Pitch: <sup>2</sup>	2 +/- 65 degrees
Skew (Yaw): <sup>3</sup>	3 +/- 60 degrees
Decode Capability:	UPC/EAN, UPC/EAN with Supplementals, UCC/EAN 128, Code 39, Code 39 Full ASCII, Code 39 TriOptic, Code 128, Code 128 Full ASCII, Codabar, Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, IATA, RSS variants, Chinese 2 of 5
Interfaces Supported:	RS232, Keyboard Wedge, Wand, IBM 468X/9X, USB, Synapse and Undecoded
User Environment	
Operating Temperature:	32° to 122° F/0° to 50° C
Storage Temperature:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% relative humidity, noncondensing
Drop Specifications:	Unit functions normally after repeated 5 ft./1.5 m drops to concrete
Ambient Light Immunity:	Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to

	sunlight
Electrostatic Discharge:	Conforms to 15 kV air discharge and 8 kV of contact discharge

### Accessories

Hands-Free Intellistand™	20-61019-01 or 20-61019-02
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### Regulatory

Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA, Taiwan EMC, Japan VCCI/MITI/Dentori.
Laser Safety:	CDRH Class II, IEC Class 2

### Warranty

The LS 2208 is warranted against defects in workmanship and materials for a period of 5 years (60 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

### Decode Zone

LS 2208 Decode Zone



- <sup>1</sup> Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
- <sup>2</sup> Pitch: Controlled by dropping or raising the wrist
- <sup>3</sup> Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa

