



# Symbol LS1203



## FEATURES

**Durable construction: single board construction; meets Motorola's stringent 5 ft. drop tests**

Designed for continuous usage all day, every day; significantly reduces downtime and repair costs

**Multiple interfaces: RS232, USB, KBW (keyboard wedge) in one scanner**

Simplifies installation and integration; future-proof solution ensures compatibility with your host/POS today and tomorrow

**Ergonomic hybrid design featuring sleek, lightweight, balanced form factor**

Maximum comfort for all day use; reduces user fatigue

## Excellent value for everyday use

The Symbol LS1203 handheld scanner from Motorola delivers high quality laser scanning, user-friendly ergonomics and durability at an affordable price. Designed to meet the needs of small businesses, the Symbol LS1203 provides the performance and features needed to significantly reduce data entry errors and boost productivity day in and day out in gift shops, boutiques, sporting goods, jewelers, video stores, florists and other small local retailers. Easy and comfortable to use, this high-value cost-effective scanner offers the reliability and investment protection that have made Motorola the global leader in handheld bar code scanning.

## Increased productivity from the start

For point of sale check-out applications, the Symbol LS1203 provides the power to improve operational efficiencies right out of the box. The plug-and-play design virtually eliminates installation hassles. The intuitive ergonomic design eliminates training requirements — employees are up and running in minutes. Manual keying is eliminated, reducing cashier errors and ensuring that your customers are charged the correct amount. The result is faster checkout, increased customer satisfaction and a quick return on investment. In the back room, the Symbol LS1203 automates paper-based processes, such as inventory management, translating into more accurate information and less time spent on

day-to-day administrative tasks — and more time spent serving customers.

## Durable construction combined with future-proofing

With a single board construction and durable scan element, the Symbol LS1203 can easily stand up to daily use and those inevitable drops. With everyday operation you can count on, the Symbol LS1203 ensures minimal maintenance costs and maximum uptime. And integrated multiple interfaces provide the investment protection you need to ensure that the scanner you buy today will work with tomorrow's POS system.

## Proven quality you can trust

When you choose the Symbol LS1203, you receive the added assurance of purchasing a product from Motorola — the global leader in handheld bar code scanning with millions of scanners in use every day by the world's largest retailers worldwide. And since even the most durable products require a maintenance plan and support strategy, Motorola has designed a full complement of service offerings to help you protect your investment and maintain peak performance. To learn more about how the LS1203 can help your small business, visit [www.motorolasolutions.com/LS1203](http://www.motorolasolutions.com/LS1203) or access our global contact directory at [www.motorolasolutions.com/enterprise/contactus](http://www.motorolasolutions.com/enterprise/contactus)

**SPECIFICATION SHEET**

Symbol LS1203

**Intuitive scanning; plug and play design**

Practically eliminates setup and training time for faster return on investment

**High quality 1D laser scanner – choice of triggered or Auto-Scan™ (continuous mode) scanning**

Accurate first time scanning; always ready for the next scan

# Symbol LS1203 Specifications

**Physical Characteristics**

Dimensions:	2.4 in. H x 7.1 in. L x 2.4 in. W 6.2 cm H x 18 cm L x 6 cm W
Weight (w/o cable):	Approximately 4.3 oz. (122 g)
Voltage & Current:	5 +/-10%VDC @ 100 mA (Stand by: <35 mA)
Power Source:	Host power or external power supply
Color:	Cash Register White or Twilight Black

**Performance Characteristics**

Scanner Type:	Bi-directional
Light Source (Laser):	650nm laser diode
Scan Rate:	100 scans per second
Typical Working Distance:	See chart below.
Print Contrast Min.:	30% minimum reflectance
Roll (Tilt): <sup>1</sup>	± 30° from normal
Pitch: <sup>2</sup>	± 65°
Skew (Yaw): <sup>3</sup>	± 60°
Decode Capability:	UPC/EAN, UPC/EAN with Supplementals, UPC/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, GS1 DataBar (formerly RSS) variants, Chinese 2 of 5

Interfaces Supported: USB, RS-232; Keyboard Wedge

**User Environment**

Operating Temp.:	32° to 122° F/0° to 50° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% relative humidity, non-condensing
Drop Specs:	Withstands multiple 5 ft./1.524m drops to concrete
Ambient Lighting Tolerance:	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED <sup>4</sup> : 450 Ft Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86,111 Lux)
Beeper Volume:	User-selectable: three levels
Beeper Tone:	User-selectable: three tones
Electrostatic Discharge (ESD):	Conforms to 15 kV air discharge and 8 kV of contact discharge

**Regulatory**

Electrical Safety:	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:	IEC Class 1

**Warranty**

The Symbol LS1203 is warranted against defects in workmanship and materials for a period of 3 years (36 months) from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. See full warranty for details.

- 1 - Roll (Tilt): Controlled by rotating the wrist clockwise or counterclockwise
- 2 - Pitch: Controlled by dropping or raising the wrist
- 3 - Skew (Yaw): Controlled by rotating the wrist from left to right or vice versa
- 4 - LED lighting with high AC ripple content can impact scanning performance

Depth of Field		
Label Density	LS1203	
Paper Label	English	Metric
Code 39 – 5 mil	0.25" – 5.00"	0.50 – 12.50 cm
Code 39 – 7.5 mil	0 – 7.75"	0 – 19.68 cm
Code 39 – 10 mil	0 – 8.50"	0 – 21.50 cm
100% UPC – 13 mil	0 – 8.50"	0 – 21.50 cm
200% UPC – 26 mil	0 – 10.25"	0 – 26.00 cm



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