



Symbol LS1203-HD



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-HD handheld scanner from Motorola delivers high quality laser scanning, user-friendly ergonomics and durability at an affordable price. Designed for electronics manufacturers who need to scan small, high density 1D bar codes on PCB assemblies for track, trace, quality and other applications, the Symbol LS1203-HD provides the performance and features needed to boost productivity day in and day out. 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

The Symbol LS1203-HD provides the power to improve operational efficiencies right out of the box. Optimized to read small high density 1D bar codes, the LS1203-HD provides quick and accurate data capture, increasing efficiency on the factory floor and speeding the manufacturing process.

Intuitive to use, the LS1203-HD virtually eliminates training requirements - employees are up and running in minutes. And, the plug-and-play design virtually eliminates installation hassles.

Durable construction combined with future-proofing

With a single board construction and durable scan element, the Symbol LS1203-HD can easily stand up to daily use and those inevitable drops. With everyday operation you can count on, the Symbol LS1203-HD 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-HD, 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 organizations 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 the Symbol LS1203-HD, visit www.motorola.com/ls1203hd. Or, access our global contact directory at www.motorola.com/enterprisemobility/contactus.

SPECIFICATION SHEET

Symbol LS1203-HD

Intuitive scanning; plug and play design

Practically eliminates setup and training time for faster return on investment

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

Accurate first time scanning; always ready for the next scan

Symbol LS1203-HD 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: Twilight Black

Performance Characteristics

Scanner Type: Bi-directional

Light Source (Laser): 650nm laser diode

Scan Rate: 100 scans per second

Typical Working Distance: See decode zone

Print Contrast Min.: 30% minimum reflectance

Roll (Tilt):¹ ± 30° from normal

Pitch:² ± 65°

Skew (Yaw):³ ± 60°

Decode Capability: UPC/EAN, UPC/EAN with Supplementals, GS1-128 (formerly 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, GS1DataBar (formerly RSS), Chinese 2 of 5

Interfaces Supported: RS-232; Keyboard Wedge; USB

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 Light Immunity: Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to sunlight

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-HD 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

Depth of Field		
Label Density	LS1203-HD	
Paper Label	English	Metric
Code 39 - 3 mil	Up to 1.50"	Up to 3.81 cm
Code 39 - 5 mil	Up to 3.75"	Up to 9.53 cm
Code 39 - 7.5 mil	Up to 4.50"	Up to 11.43 cm
Code 39 - 10 mil	Up to 5.25"	Up to 13.34 cm
100% UPC - 13 mil	Up to 5.25"	Up to 13.34 cm
Code 39 - 20 mil	Up to 6.63"	Up to 16.84 cm

For more detailed information, please see the Product Reference Guide in the Resource tab at www.motorola.com/ls1203hd.



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