

# 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 (Standby: <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, 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, GS1 DataBar (formerly RSS) variants, 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 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	
Paper Label	English	Metric
Code 39 - 5 mil	0.25" - 5.0"	0.5 - 12.5 cm
Code 39 - 7.5 mil	0 - 7.75"	0 - 19.68 cm
Code 39 - 10 mil	0 - 8.5"	0 - 21.5 cm
100% UPC - 13 mil	0 - 8.5"	0 - 21.5 cm
200% UPC - 26 mil	0 - 10.25"	0 - 26 cm