

SPECIFICATION SHEET

SYMBOL LS3578-ER

IP65-rated seal (electronic enclosure)

Protects against water and dust for reliable performance in the harshest environments

Bright LED and beeper with adjustable volume

Helps ensure that decode feedback is clearly visible and audible to users, even in noisy environments

Multi-point communication

Use up to three scanners with a single cradle, reducing capital expenditures and maintenance costs

Bright 650 nm laser aiming dot

Delivers clearly visible line for more accurate scanning

Advanced data formatting

Eliminates costly modifications to the host software

Batch mode operation

Increases application design flexibility to better meet your specific needs

Remote scanner management ready

Enables you to discover, provision and upgrade devices from a central remote location, reducing management time and costs

Symbol LS3578-ER Specifications

Physical Characteristics	
Dimensions:	7.34 in. L x 4.82 in. W x 2.93 in. D (18.65 cm H x 12.25 cm W x 7.43 cm D)
Weight: (including LiON battery)	14.8 oz. (420 gm)
Battery:	2200 mAh Lithium Ion Battery
Battery charge time:	Fully charged (100%) in 3 hours
Color:	Twilight Black and Yellow
Performance Characteristics	
Scanner type:	Retrocollective
Light source:	650 nm visible laser diode
Scan repetition:	36 scans per second typical
Minimum element width:	7.5 mil (0.191 mm)
Nominal working distance:	4 in to 45 ft (10cm to 13.7m)
Print contrast:	25% minimum reflective difference
Roll (Tilt) ¹ :	+/- 10 degrees from normal
Pitch ² :	+/- 65 degrees from normal
Skew (Yaw) ³ :	+/- 60 degrees from normal
Decode capability:	UPC.EAN, UPC.EAN with Supplemental, UCC.EAN 128, JAN 8 & 13, Code 39, Code 39 Full ASCII, Code 39 Trioptic, Code 128, Code 128 Full ASCII, Codabar (NW7), Interleaved 2 of 5, Discrete 2 of 5, Code 93, MSI, Code 11, Code 32, Bookland EAN, IATA, UCC/EAN RSS and RSS variants
Interfaces supported:	RS232, Keyboard Wedge, Wand Emulation, Scanner Emulation, IBM 468X/469X, USB and Synapse
User Environment	
Operating temperature:	-4° to 122°F (-20° to 50°C)
Storage temperature:	-40° to 140°F (-40° to 60°C)
Humidity:	5% to 95% relative humidity, noncondensing
Sealing:	Sealed to IP65 specifications
Drop specifications:	Unit functions normally after repeated 6.5-ft. 2-m) drops to concrete
# of Cradle Insertions:	250,000+ insertions
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

Cradles	STB 3508 and FLB 3508	STB 3578 and FLB 3578
Power requirements:	4.75 – 14 VDC	4.75 – 14 VDC
Typical current draw:		
Not charging	10 mA	105 mA @5V 45 mA @9V
Fast rate charge	915 mA @5V 660 mA @9V	915 mA @5V 660 mA @9V
Slow rate charge	480 mA @5V 345 mA @9V	480 mA @5V 345 mA @9V

Radio specification

Radio:	Bluetooth, Class 2, Version 1.2, Serial port and HID Profiles 2.402 to 2.480 GHz adaptive frequency hopping (co-existence with 802.11 wireless networks) Data rate: 720 kbps
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Regulatory

Input transient protection:	IEC 1000-4-(2,3,4,5,6,11)
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Japan VCCI/MITI/Dentori
Laser safety:	IEC825-1 Class 2

Warranty

The Symbol LS3578-ER 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.

Recommended Service

Service from the Start - Bronze



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