PRODUCT SPEC SHEET SYMBOL LS3578-ER



SYMBOL LS3578-ER

RUGGED, CORDLESS SCANNER WITH INTEGRATED BLUETOOTH

SCAN BAR CODES OVER A WIDE RANGE OF DISTANCES

The LS3578-ER rugged, cordless scanner provides the greatest working range of any available rugged scanner, allowing employees to scan items from as close as .25 inches /.64cm to as far away as 45 feet /13.7 m. It also allows employees to quickly switch from reading bar codes on inventory to capturing smaller symbologies on bar code menus and pick lists. In the yard, warehouse, distribution center, manufacturing plant or retail store, the LS3578-ER offers superior performance and reliability as well as a user-friendly form factor that helps ensure comfortable use over long shifts. Plus, integrated Bluetooth provides reliable and secure wireless data transmission between the scanner and host, including Zebra's rugged VC5090 Vehicle-Fixed Mount Mobile Computer.

CORDLESS FREEDOM FOR IMPROVED PRODUCTIVITY

With no cord between the scanner and host, employees can move freely throughout their work environment, increasing productivity and efficiency while keeping supply chain inventory up to date at all times. Plus, having no cord reduces downtime from cable breakdowns ' a common point of failure in handheld devices used in industrial facilities.

LOW TOTAL COST OF OWNERSHIP (TCO)

In addition to enhancing productivity, the LS3578-ER offers a low TCO. The industrial-strength construction maximizes the scanner's working life, and multiple on-board interfaces provide true plug-and-play simplicity with your host system today and tomorrow. Support for Remote Scanner Management (RSM) enables you to discover, provision and upgrade devices from a central remote location, dramatically reducing management time and costs. And since even the most rugged devices require a support plan, a full complement of Enterprise Mobility Services are available to help you protect your investment and maintain peak performance.

For more information on how the LS3578-ER can benefit your business, please visit us on the web at <u>www.zebra.com/ls3578er</u> or access our global contact directory at <u>www.zebra.com/contact</u>

SPECIFICATIONS CHART

PHYSICAL CHARACTERISTICS		CRADLES	
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)	FLB 3508) 4.75 ' 14 VDC (STB 3578	4.75 ' 14 VDC (STB 3578 AND
Weight (including LiON battery)	14.8 oz. (420 gm)	Not charging	FLB 3578) STB 3508 AND FLB 3508
Battery	2200 mAh Lithium Ion Battery	-	10 mA STB 3578 AND FLB 3578
			31D 3370 AND 1 LD 3370



FEATURES

Wide working range: .25'/.64 cm to 45 ft./ 13.7 m

Allows workers to scan items at varying distance without having to move, reducing fatigue and speeding task completion

Integrated Bluetooth[®] Class 2 v1.2 (Serial Port and HID Profiles with authentication and security)

Cordless scanning with secure wireless data transmission

Cordless scanning

Enables real-time bar code data collection unrestricted by a cable, reducing repairs from cable failure

Batch mode operation

Increases application design flexibility to better meet your specific needs

Ergonomic, rugged industrial design withstands up to 50 drops to concrete from 6.5 ft. (2m) and 2,500 3 ft. (1m) tumbles (5,000 hits)

Ensures maximum reliability with less downtime resulting from accidental drops

IP65-rated seal (electronic enclosure)

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

Bright LED and beeper with adjustable volume

Battery charge time Color	Fully charged (100%) in 3 hours Twilight Black and Yellow	-	105 mA @5V 45 mA @9V	Helps ensure that decode feedback is clearly visible and audible to users, even in
		Fast rate charge	STB 3508 AND FLB 3508 915 mA @5V	noisy environments
PERFORMANCE	CHARACTERISTICS		660 mA @9V	Multi-point
Scanner type	Retrocollective	-	STB 3578 AND FLB 3578 915 mA @5V	communication
Light source	650 nm visible laser diode	-	660 mA @9V	Use up to three scanners with a single cradle, reducing
Scan repetition	36 scans per second typical	Slow rate charge	STB 3508 AND FLB 3508	capital expenditures and maintenance costs
Minimum element width	7.5 mil (0.191 mm)	-	480 mA @5V 345 mA @9V STB 3578 AND FLB 3578	Bright 650 nm laser
Nominal working distance	See decode zone	-	180 mA @5V aiming dot 145 mA @9V Delivers clearly visible line for more accurate scanning	
Print contrast	25% minimum reflective difference	-		
Roll (Tilt) ¹	+/- 10 degrees from normal	RADIO SPECIFI		Supports GS1DataBar Symbologies (
Pitch ²	+/- 65 degrees from normal	Radio	Bluetooth, Class 2, Version 1.2, Serial port and HID Profiles	formerly RSS)
Skew (Yaw) ³	+/- 60 degrees from normal	Frequency	2.402 to 2.480 GHz adaptive	 Ensures compatibility with emerging symbols to protect
Decode capability	UPC.EAN, UPC.EAN with Supplemental, GS1-128 (formerly		frequency hopping (co-existence with 802.11 wireless networks)	your hardware investment
	UCC/EAN 128), JAN 8 & 13, Code 39,Code 39 Full	Data rate	720 kbps	Advanced data formatting
	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, GS1DataBar (formerly RSS)	Radio Range	Up to 300 ft. (100m) direct line of sight in open air; typical indoor cordless range is 100 ft. (33m), but will vary depending upon environment; see Bluetooth Radio Performance Technical Brief for	Eliminates costly modifications to the host software Remote scanner management ready
Interfaces supported	RS232, Keyboard Wedge, IBM 468X/469X, USB and Synapse		more information	Enables you to discover, provision and upgrade devices from a central
		REGULATORY		remote location, reducing
USER ENVIRON	MENT	Input transient	IEC 1000-4-(2,3,4,5,6,11)	management time and costs
Operating Temp.	-4 to 122F (-20 to 50C)	protection		
Storage temperature	-40 to 140F (-40 to 60C)	EMI/RFI	FCC Part 15 Class B, ICES-003 Class B, European Union EMC	
Humidity	5% to 95% relative humidity, noncondensing		Directive, Japan VCCI/MITI/Dentori	
Sealing	Sealed to IP65 specifications	Laser safety	IEC825-1 Class 2	
Drop specifications	Unit functions normally after 50	WARRANTY		
	drops to concrete from 6.5 ft. (2m)		ranted against defects in	
# of Cradle Insertions	250,000+ insertions	workmanship and ma	ranted against defects in terials for a period of 3 years (36 shipment, provided that the	
Ambient lighting tolerance	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor,	•	odified and is operated under nditions. See full warranty for	
	Sodium Vapor, LED4: 450 Ft Candles (4,842 Lux) Sunlight:	RECOMMENDE	D SERVICES	
	4,000 Ft Candles (43,040 Lux)	Support Services	Service from the Start - Bronze	
Electrostatic discharge	Conforms to 20 kV air discharge and 8 kV of contact discharge	or counterclockwise 2 - Pitch: Controlled b	ed by rotating the wrist clockwise y dropping or raising the wrist olled by rotating the wrist from left	

4 - LED lighting with high AC ripple content can impact scanning performance

	DEPTH OF FIELD	
LABEL DENSITY	LS35	78-ER
Paper Label	English	Metric
Code 39 ' 7.5 mil	0.25' ' 20.00'	0.64 ' 50.80 cm
Code 39 ' 10 mil	2.00' ' 32.00'	5.08 ' 81.28 cm
Code 39 ' 15 mil	3.00' ' 69.00'	7.62 ' 175.26 cm
Code 39 ' 20 mil	3.00' ' 94.00'	7.62 ' 238.76 cm
Code 39 ' 55 mil	15.00' ' 180.00'	38.10 ' 457.20 cm
REFLECTIVE LABEL		
Code 39 ' 70 mil	Up to 30 ft.	Up to 9.27 m
Code 39 ' 100 mil	Up to 45 ft.	Up to 13.72 m

For more detailed information, please see the Product Reference Guide in the Resource tab at <u>www.zebra.com/</u> <u>Is3578er</u>





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