



# Symbol LS3408ER

Extended range rugged scanner



## FEATURES

**Flexible working range:**  
4 in./10 cm to 48 ft./14.6 m  
Improves user productivity

**Ergonomic, rugged industrial design withstands multiple 6.5-ft./2 m drops to concrete; 2,500 3-ft./1 m tumbles (5,000 hits)**  
Ensures maximum reliability with less down time due to accidental drops

**IP65 sealing rating (electronic enclosure)**  
Protects against water and dust to ensure reliable performance in rough conditions

**Bright 650nm laser aiming dot**  
Delivers clearly visible line for more accurate scanning

**Dual-scan angle switches from standard to wide under software control**  
Offers fast, accurate bar code reading on menus and pick lists

## Redefining performance for maximum industrial mobility

The rugged Symbol LS3408ER handheld scanner from Motorola delivers superior performance and versatility for your scan-intensive industrial applications. In the yard, warehouse, distribution center, manufacturing plant or retail store, the Symbol LS3408ER handheld scanner offers best-in-class performance, excellent reliability and user-friendly ergonomics to create a more productive mobile environment. Multiple on-board interfaces ensure flexible plug and play host connectivity.

## Advanced data capture features for industrial-grade applications

The Symbol LS3408ER offers an outstanding reading range, providing the flexibility to enable a wide range of industrial applications. Industry-leading impact tests ensure reliable performance in spite of the inevitable accidental drops. The device is impervious to dust and water, and its exit window is scratch-resistant and recessed

for the highest level of durability. As a result, you avoid unnecessary equipment downtime or expensive equipment replacement costs.

For applications requiring quick access and convenient storage, the Symbol LS3408ER features a built-in metal hook for attachment to a pulley. Two large LED-enhancing windows and an extra loud 80 decibel (db) beeper are strategically placed on the scanner for clear and audible feedback to users.

## The smartest way to capture mission-critical information

The extended range Symbol LS3408ER is designed specifically for industrial applications. When you choose the Symbol LS3408ER, you receive the added assurance of purchasing from Motorola — a company with proven advanced data capture capabilities and millions of scanner installations worldwide.

For more information on the Symbol LS3408ER and its full line of accessories, contact us at +1.800.722.6234 or +1.631.738.2400, or visit us on the web at [www.symbol.com/ls3408er](http://www.symbol.com/ls3408er)

**SPECIFICATION SHEET**

SYMBOL LS3408ER  
Extended range rugged scanner

# Symbol LS3408ER Specifications

**Multiple on-board interfaces**

Ensures flexible connectivity, allowing for host "future proofing"

**Advanced data formatting (ADF)**

Eliminates costly modifications to the host software

**Flash memory**

Facilitates updates and customization of product in the field

**Universal cable set**

Allows for easy replacement and/or upgrades

**Supports Reduced Space Symbology (RSS®)**

Compatible with emerging symbology to leverage your hardware investment

**Physical Characteristics**

Dimensions:	7.34 in. H 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 (w/o cable):	12.56 oz./356 g
Power Requirements:	4.5 - 14 VDC
Stand-by Current:	50 mA
Power Sources:	Depending on host: • Host power • External power supply
Color:	Twilight Black/Yellow

**Performance Characteristics**

Scanner Type:	Retrocollective
Light Source:	650 nm visible laser diode
Scan Repetition:	36 scans per second typical
Min. Element Width:	7 mil/0.191 mm
Working Distance:	See Decode Zone
Print Contrast:	25% minimum reflective difference
Roll (Tilt): <sup>1</sup>	± 10° from normal
Pitch: <sup>2</sup>	± 65° from normal
Skew (Yaw): <sup>3</sup>	± 60° from normal
Decode Capability:	UPC/EAN, UPC/EAN with Supplementals, 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 Temp.:	-22° to 122° F/-30° to 50° C
Storage Temp.:	-40° to 158° F/-40° to 70° C
Humidity:	5% to 95% relative humidity, non-condensing
Sealing:	Sealed to IP65 specifications
Drop Specifications:	Unit functions normally after repeated 6.5 ft./2 m drops to concrete
Ambient Light Immunity:	Immune to direct exposure of normal office and factory lighting conditions, as well as direct exposure to sunlight; Indoor: 450 ft. candles/4,84 LUX; Outdoor: 4,000 ft. candles/43,040 LUX

Electrostatic Discharge (ESD): Conforms to 20 kV air discharge and 8 kV of contact discharge

**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

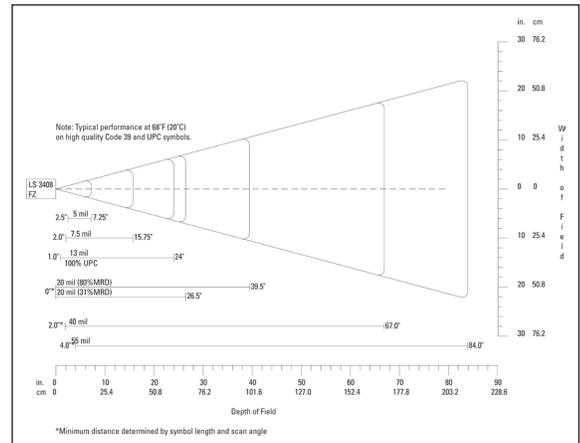
**Warranty**

The Symbol LS3408ER 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



**LS3408ER Decode Zone**



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