



LS 3408ER

Extended Range Rugged Scanner for Industrial Applications

Redefining Performance for Maximum Industrial Mobility

The rugged LS 3408ER handheld scanner from Symbol Technologies, the Enterprise Mobility Company™, delivers superior performance and versatility for your scan-intensive industrial applications.

In the yard, warehouse, distribution center, manufacturing plant or retail store, the LS 3408ER handheld scanner offers best-in-class performance, excellent reliability and user-friendly ergonomics to create a more productive mobile environment. Multiple interfaces on-board interfaces ensure flexible plug and play host connectivity.

Advanced Data Capture Features for Industrial-Grade Applications

The LS 3408ER reads bar codes from as far away as 45 feet (14.6 meters) and as close as 5 inches (13 cm) to give you the kind of versatility that's necessary for today's industrial applications. The rugged housing, sealed to IP65 standards, withstands repeated drops of up to 6.5 feet (2 meters) drops to concrete, ensuring limited downtime. In fact, the LS 3408ER maintained its reliability when subjected to multiple drops in a specialized tumble test conducted in the widely recognized Symbol Industrial Design Labs.

For applications requiring quick access and convenient storage, the LS 3408ER 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 standard range LS 3408ER from Symbol Technologies, the Enterprise Mobility Company, was designed specifically for industrial applications. When you choose the LS 3408ER, you receive the added assurance of purchasing from Symbol—a company with proven advanced data capture capabilities and millions of scanner installations worldwide.

For more information on the LS 3408ER 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

Features	Benefits
Flexible working range: 4 in. (10 cm) to 45 ft. (14.6 m)	Improves user productivity
Ergonomic, rugged industrial design withstands multiple 6.5 ft. drops (2m) to concrete; 2,500 3-ft (1m) 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
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/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

LS 3408ER Specification Highlights

Market: Manufacturing Applications Shop floor management Inventory control Asset tracking Document control Manufacturing Clean room Assembly line processes User Assembly line worker Shipping/receiving personnel
Market: Warehousing Applications Warehouse management Inventory management Order processing Cold storage Shipping and receiving Forklift User Warehouse personnel

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
Weight (without cable):	12.56 oz./356 gm
Power Requirements:	4.5 – 14VDC
Stand-by Current	50mA
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
Minimum Element Width:	7 mil/0.191 mm
Nominal Working Distance:	See Decode Zone
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 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 Temperature:	-22° to 122° F/-30° to 50° C
Storage Temperature:	-40° to 158° F/-40° to 70° 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
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/4,842 LUX Outdoor: 4,000 ft. candles/43,040 LUX
Electrostatic Discharge:	Conforms to 20 kV air discharge and 8 kV of contact discharge

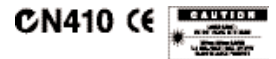
Regulatory

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 LS 3408ER 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



Specifications are subject to change without notice. Symbol® and Enterprise Mobility Company™ are registered trademarks of Symbol Technologies, Inc. All other trademarks and service marks are proprietary to their respective owners. For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.

Corporate Headquarters
Symbol Technologies, Inc.
 One Symbol Plaza
 Holtsville, NY 11742-1300
 TEL: +1.800.722.6234/+1.631.738.2400
 FAX: +1.631.738.5990

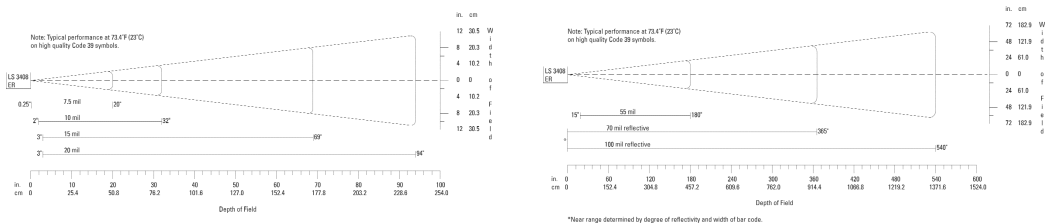
For Asia Pacific Area
Symbol Technologies Asia, Inc.
 (Singapore Branch)
 Asia Pacific Division
 230 Victoria Street #05-07/09
 Bugis Junction Office Tower
 Singapore 188024
 TEL: +65.6796.9600
 FAX: +65.6337.6488

For Europe, Middle East and Africa
Symbol Technologies
 EMEA Division
 Symbol Place, Winnersh Triangle
 Berkshire, England RG41 5TP
 TEL: +44.118.9457000
 FAX: +44.118.9457500

For North America, Latin America and Canada
Symbol Technologies
 The Americas
 One Symbol Plaza
 Holtsville, NY 11742-1300
 TEL: +1.800.722.6234/+1.631.738.2400
 FAX: +1.631.738.5990

Symbol Website
 For a complete list of Symbol subsidiaries and business partners worldwide contact us at: www.symbol.com
 Or contact our pre-sales team at: www.symbol.com/sales

LS 3408ER Decode Zone



Part No. LS3408ER Printed in USA 07/04 © Copyright 2004 Symbol Technologies, Inc. All rights reserved. Symbol is an ISO 9001 and ISO 9002 UKAS, RVC, and RAB Registered company, as scope definitions apply.



LS3408ER 07/04