

Symbol LS3408-ER Specifications

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: <ul style="list-style-type: none"> • 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:	75 mil/0.191 mm
Working Distance:	See Decode Zone
Print Contrast:	25% minimum reflective difference
Roll (Tilt): ¹	± 10° from normal
Pitch: ²	± 65° from normal
Skew (Yaw): ³	± 60° from normal
Decode Capability:	UPC/EAN, UPC/EAN with Supplementals, GS1-128 (formerly 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, GS1DataBar (formerly RSS)
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 50 drops to concrete from 6.5 ft. (2m)
Ambient Lighting Tolerance:	Tolerant to typical artificial indoor and natural outdoor (direct sunlight) lighting conditions. Fluorescent, Incandescent, Mercury Vapor, Sodium Vapor, LED ⁴ : 450 Ft Candles (4,844 Lux) Sunlight: 8000 Ft Candles (86,111 Lux)

Electrostatic Discharge (ESD):	Conforms to 20 kV air discharge and 8 kV of contact discharge
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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 LS3408-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.

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

Depth of Field		
Label Density	LS3408-ER	
Paper Label	English	Metric
Code 39 - 75 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 www.motorolasolutions.com/LS3408ER.

EN410 CE

