Reads Damaged 1D Bar Codes for Maximum Industrial Productivity

The rugged LS 3408FZ handheld scanner from Symbol Technologies, the Enterprise Mobility Company™, features fuzzy logic technology for fast and accurate reading of damaged, dirty and poorly printed one-dimensional (1D) bar codes typically found in industrial environments.

In the yard, warehouse, distribution center, manufacturing plant or retail store, the LS 3408FZ handheld scanner offers superior performance, reliability and user-friendly ergonomics to improve productivity. Multiple on-board interfaces ensure flexible plug and play host connectivity.

Advanced Data Capture Technology for Tough Environments

As innovative as it is rugged, the LS 3408FZ delivers the ergonomic and operational features for scan intensive industrial applications. The scanners exit window is scratch-resistant and recessed for the highest level of durability and minimal downtime. In fact, the LS 3408FZ even maintained its reliability when subjected to multiple drops in a tumble test conducted in the widely recognized Symbol Industrial Design Labs.

For applications requiring quick access and convenient storage, the LS 3408FZ features a built-in metal hook for attachment to a pulley. Two large LED-enhancing windows and extra loud 80 decibel (db) beeper are strategically placed on the scanner to ensure that decode feedback is clearly visible and audible to users.

Capturing Mission-Critical Information the Smart Way

The standard range LS 3408FZ from Symbol Technologies, the Enterprise Mobility Company, was designed specifically for industrial applications. When you choose the LS 3408FZ, 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 rugged LS 3408FZ handheld scanner and the 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/ls3408fz
LS 3408FZ Specification Highlights

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Physical Characteristics

- **Dimensions**: 18.65 cm H x 12.25 cm W x 7.43 cm D
- **Weight (with/without cable)**: 350 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**: 0.127 mm
- **Nominal Working Distance**: See Decode Zone
- **Print Contrast**: 25% minimum reflective difference
- **Roll (Tilt)**: 1° ± 20 degrees from normal
- **Pitch**: 2° ± 65 degrees from normal
- **Skew (Yaw)**: 3° ± 50 degrees from normal
- **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: 300 ft. candles/4,342 LUX
  - Outdoor: 8,000 ft. candles/86,080 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)
- **Laser Safety**: IEC 825-1 Class 2

Warranty

The LS 3408FZ 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

LS 3408FZ Decode Zone

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