

Smart Line

BAR CODE SCANNERS

Value, Style and Performance

The Cobra LS 1900 Series of scanners from Symbol Technologies is designed to fit your hand and your budget. Its sleek, light-weight, ergonomic design is perfectly balanced to minimize operator strain while maximizing comfort. The Cobra LS 1900 is a premium scanner at an entry-level price with features you'd only expect to find in high-end solutions. A hands-free stand delivers the flexibility to operate as a presentation scanner for both triggered and triggerless configurations. Backed by Symbol's five-year plus warranty, the Cobra LS 1900 Series offers the scanning quality and versatility that users have relied on for over 25 years.

Enhance User Productivity Across Multiple Scanning Applications

The Cobra LS 1900 Series offers a large, bright two-color LED plus a beeper with adjustable volume for audible confirmation of good decodes. Its highly visible scan line provides simple aiming, while the curved rubber nose makes it easy to orient the scan beam—even when scanning on contact. This ensures valid decodes the first time, every time. The result: fast, accurate data capture and the elimination of keyboard entry errors.

The Cobra LS 1900 Series offers a complete scanning and connectivity feature set making it the scanner of choice for a wide range of bar code data applications in grocery and specialty stores, video rental establishments, music stores and more. Beyond the checkout counter, the versatile Cobra LS 1900 Series is also a reliable solution for applications such as document tracking, tool crib management, time and attendance tasks, light industrial applications, and even lottery ticket scanning.

Maximize Your Investment for the Long Term

The decoded versions have multiple on-board interfaces plus universal cabling to provide flexible connectivity to future-proof your hardware investment. Advanced Data Formatting (ADF) capabilities allow scanned data to be modified prior to transfer ensuring compatibility with the application on the host system. The Cobra LS 1900 Series uses flash memory to facilitate post-purchase upgrades, change default settings or customize the device for singular applications. It even ships ready to read Reduced Space Symbology (RSS), an emerging symbology for smaller products where space is at a premium.

Backed by Symbol's five-year warranty, the Cobra LS 1900 Series will meet your bar code data capture needs well into the future. To find out how your company's workforce can increase productivity using the Cobra LS 1900 Series, visit us at www.symbol.com/cobra



| Features | Benefits |
|--|---|
| Triggered and triggerless (continuous on) configurations | Select the best configuration to maximize ease of use for your applications |
| Ergonomic design | Sleek, balanced form factor reduces user discomfort while scanning |
| Large 2-color LED and beeper with adjustable volume | Multiple modes of confirmation ensure positive feedback to the user |
| Decoded versions offer multiple interfaces on-board | Flexible connectivity allowing for host "future proofing" |
| Advanced Data Formatting (ADF) | Enables users to format data before it is sent to the host computer eliminating costly modifications to the host software |
| Flash memory | Facilitates updates/customization of product in the field |
| Reads Reduced Space Symbology (RSS) | Compatible with this emerging symbology to leverage your hardware investment |
| Mylar® scan element | Unsurpassed scanning performance without friction or wear; covered by a lifetime warranty |
| Hands-free stand | Enables automatic presentation scanning |
| Universal cables | Shares cabling with other Symbol scanners for easy replacement and/or upgrades |
| Supports 123Scan scanner setup utility | Flexible setup using PC utility download, or by scanning a sequence of bar codes |

Product Configurations

The Cobra LS 1900 Series from Symbol Technologies is available in a number of configurations to enable you to match desired features to your specific application requirements:

- ▶ LS 1900T: Undecoded, triggered scanner
- ▶ LS 1902T/LS 1908T: Decoded, triggered scanner
- ▶ LS 1902C/LS 1908C: Decoded, triggerless scanner

Cobra LS 1900 Series Specification Highlights

Physical Characteristics

| | |
|-------------------------|---|
| Dimensions: | 5.3 in. H x 2.5 in. W x 2.2 in. D/13.4 cm H x 6.4 cm W x 5.7 cm D |
| Weight (without cable): | LS 1900T: 4.0 oz./115 gm LS 1908T: 4.0 oz./115 gm LS 1908C; LS 1902C: 4.2 oz./120 gm |
| Voltage & Current: | LS 1900T: 4.8-14 VDC @ 80 mA nominal LS 1908T: 5 VDC @ 90 mA nominal LS 1908C; LS 1902C: 4.5 - 5.5 VDC @ 140 mA nominal |
| Power Source: | LS 1900T; LS 1908T: Power supplied by interface controller LS 1908C; LS 1902C: Power supplied by host or power supply |
| Color: | Cash Register White (shown) or Twilight Black |

Performance Characteristics

| | |
|---------------------------|---|
| Scanner Type: | Bi-directional retrocollective |
| Light Source: | 650± nm visible laser diode |
| Scan Rate: | Approximately 44 scans per second (bi-directional) |
| Nominal Working Distance: | See Decode Zone |
| Minimum Element Width: | 5 mil (0.127 mm) |
| Print Contrast Minimum: | 25% minimum reflectance differential measured at 650 nm |
| Skew Angle: | ±60° from normal |
| Pitch: | ±65° from normal |
| Decode Capability: | Decoded scanners: UPC/EAN/JAN, UPC/EAN with supplementals, Code 128, Code 39, Code 39 Full ASCII, Code 93, MSI, Interleaved 2 of 5, Discrete 2 of 5, UCC/EAN 128, Codabar, Code 11, Coupon Code, Bookland EAN, RSS variants |
| Interfaces Supported: | LS 1908T, LS 1908C: RS-232, Keyboard Wedge, USB, IBM 468X/469X, Wand Emulation and Synapse LS 1902T, LS 1902C: RS-232, Keyboard Wedge, Wand Emulation and Synapse |

User Environment

| | |
|-------------------------|--|
| Operating Temperature: | 32° to 104° F (0° to 40° C) |
| Storage Temperature: | -40° to 140° F (-40° to 60° C) |
| Humidity: | 5% to 95% noncondensing |
| Drop Specifications: | Withstands multiple 5-ft./1.5-m drops to concrete |
| Ambient Light Immunity: | Indoor: 450 ft.-candles (4,842 LUX) Outdoor: 8,000 ft.-candles (86,112 LUX) |

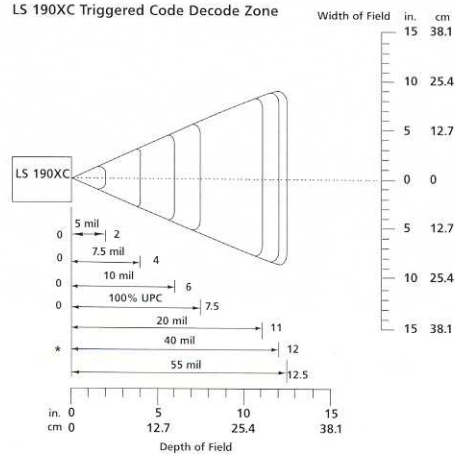
Accessories

| | |
|------------------------|-------------|
| Desktop/Counter Stand: | 20-52659-01 |
| Battery Box: | 20-10615-01 |

Warranty

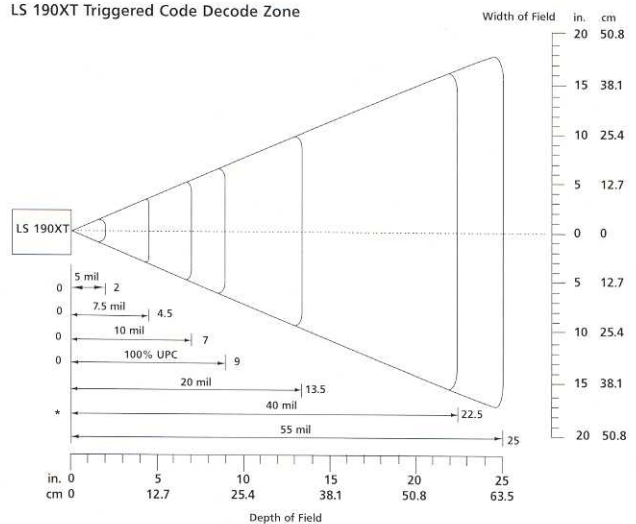
The Symbol Cobra LS 1900 Series is warranted against defects in workmanship and materials for a period of 60 months from date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. The Mylar® scan element is covered by Symbol's limited lifetime warranty. The Mylar scan element consists of a Mylar strip, frame, mirror assembly and magnet. See the complete warranty for details.

LS 190XC Triggered Code Decode Zone



*Minimum distance determined by symbol length and scan angle
Note: Typical performance at 73° F (23° C) on high-quality symbols in normal room light.

LS 190XT Triggered Code Decode Zone



*Minimum distance determined by symbol length and scan angle
Note: Typical performance at 73° F (23° C) on high-quality symbols in normal room light.



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For system, product or services availability and specific information within your country, please contact your local Symbol Technologies office or Business Partner.



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