LT 1800 LaserTouch®

Smart Line

BAR CODE SCANNERS

Greater Value, Better Performance in Triggerless Close Range Scanning

For the fastest, easiest-to-use automatic triggerless scanners for all your close range scanning needs, the proven LT 1800 LaserTouch Scanner Series from Symbol Technologies is the clear choice. Now you won't have to choose between price and performance: With the LT 1800 from the Symbol Smart Line product family, you get both.

Preferred by Experts–the Users

In market research tests, retail cashiers preferred the LT 1800 over competitive models. It builds on the proven design of Symbol's LT 1700 LaserTouch Scanner Series – utilized worldwide by more than 500,000 satisfied users. With upgraded optics and triggerless operation, the LT 1800 sets the standard for reliable, comfortable, easy-to-use scanning in retail and light industrial environments.

Backed by the trusted Symbol name and offered at a cost-effective price, the LT 1800 is today's most compelling choice in automatic triggerless laser scanning.

Versatile and Tough, Too

The LT 1800 LaserTouch Scanner Series can be hand-held or supported by a stand for hands-free operation. Both triggerless and triggered versions are available to meet your specific requirements. Triggerless models are ideal for point-of-sale and workstation applications, while triggered versions conserve battery power for portable applications. For demanding environments, the LT 1800 Series is shock-resistant and can withstand repeated 5 ft./1.5 m drops to concrete.

The LT 1800 LaserTouch Scanner Series: It's the preferred scanner in its class and it's from Symbol Technologies, the world leader in bar code-driven data management systems, with millions of scanners and terminals installed.

To find out how your company's workforce can be more productive using the LT 1800, visit us at **www.symbol.com/barcode**

Features	Benefits
Light weight, triggerless operation	**Fast and easy to use**
Close working range scans from contact to 5 in. (12.75 cm)	**Ideal for automatic scanning**
Optimized laser beam	**Greater flexibility for scanning poor-quality, dot matrix, high-density (5.5 mil) and wider symbols**
Exclusive Synapse "Smart" Cables	**Connect to many different hosts without separate interface controller**
Mylar® scan element	**Unsurpassed scanning performance without friction or wear**

Complete Product and Connectivity Options

The LT 1800 LaserTouch Scanner Series from Symbol Technologies comes in a full range of models, so you can match features to your specific needs. The line includes:

- LT 1800 – Undecoded scanner
- LT 1810 – Scanner with Wand Emulation interface
- LT 1804 – Scanner with RS-232-C / Synapse interface
- LT 1830 – Scanner with IBM 46xx POS terminal interface
- LT 1850 – Scanner with OCIA interface
- LT 1806 – Scanner with Keyboard Wedge / Synapse for connection to PCs, POS devices and terminals

LT 1800 LaserTouch® Scanner Series Specification Highlights

Physical Characteristics

Dimensions:	2.4 in. H x 8 in. L x 2.8 in. W (maximum dimension at nose)/ 6.1 cm H x 20.3 cm L x 7.1 cm W
Weight:	6 oz./170 gm (without cable)
Voltage:	LT 1800: 4.75-14 VDC LT 1810, LT 1804: 5 VDC ±10% LT 1830: 5 VDC ±10% or 12 VDC ±10% LT 1850, LT1806: 5 VDC ±10%
Current:	LT 1800: 99 mA @ 5 VDC, LT 1804, LT 1810, LT 1830, LT 1850, LT 1806: 120 mA average current (160 mA peak)
Power Sources:	LT 1800: Power supplied by controller interface LT 1804: Host power or 9-volt battery which yields over 10,000 scans. Optional power supply is available. LT 1810: Host power or 9-volt battery which yields over 10,000 scans. Optional power supply is available. LT 1830: Power supplied by IBM 46xx LT 1850, LT 1806: Host power or optional power supply is available
Cable:	Removable straight, optional coil cord

Performance Characteristics

Scanner Type:	Bi-directional, retrocollective
Light Source:	675 nm laser diode
Scan Rate:	36 ± 3 scans per second
Nominal Working Distance:	Contact to 5.0 in./12.7 cm maximum
Print Contrast Minimum:	25% absolute reflectance as measured at 675 nm
Skew Angle:	±35° minimum (from normal)
Pitch:	-20° to +60° (from normal)
Decode Capability:	LT 1800: Determined by interface controller LT 1810: UPC/EAN, Code 39, Codabar, Interleaved 2 of 5, Code 128, Discrete 2 of 5, Code 93 (full autodiscrimination as required), UCC/EAN 128 LT 1804: UPC/EAN, Code 39, Codabar, Interleaved 2 of 5, Code 128, Discrete 2 of 5, Code 93 Full ASCI (full autodiscrimination as required), UCC/EAN 128 LT 1830: UPC versions A and E (EAN 8 and 13), Code 39, Interleaved 2 of 5, Code 128, UCC/EAN 128 LT 1850: UPC/EAN (UPC versions A and E) all supplemental variants, EAN 8 and 13 all supplemental variants, Interleaved 2 of 5, Code 128, (full autodiscrimination as required), UCC/EAN 128 LT 1806: UPC/EAN, Code 39, Codabar, Interleaved 2 of 5, Code 128, Discrete 2 of 5, Code 93, Code 93 Full ASCI (full autodiscrimination as required), UCC/EAN 128

Warranty

Symbol's LT 1800 LaserTouch Scanner Series is warranted against defects in workmanship and materials for a period of 30 months from the date of shipment, provided that the product remains unmodified and is operated under normal and proper conditions. The Mylar® scan element consists of a Mylar strip, frame, mirror assembly and magnet. See the complete warranty for details.

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 Spec:	Unit functions normally after repeated 5 ft./1.5 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
Electrostatic Discharge:	Conforms to 15 KV rating as per IEC 801-2

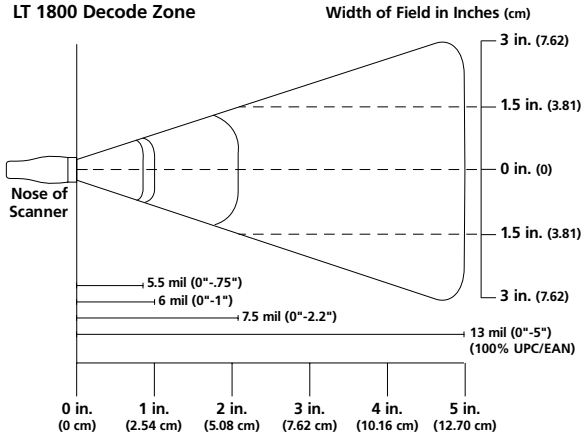
Optional Accessories

Desktop/Counter Stand:	21-08288-02
Deck Mount Hands-free Stand:	20-12769-01
Freestanding/ Hands-free Stand:	20-08414-01
Holster Clip:	20-08416-01
Wall Mount:	23-08253-01

Regulatory

Electrical Safety:	Certified to UL1950, CSA C22.2 No. 950, EN60950/IEC950
EMI/RFI:	FCC Part 15 Class B, ICES-003 Class B, European Union EMC Directive, Australian SMA
Laser Safety:	CDRH Class II, IEC Class 2

LT 1800 Decode Zone



CAUTION
LASER LIGHT— DO NOT STARE INTO BEAM
630nm-680nm LASER 1.0 MILLIWATT MAX. OUTPUT CLASS II LASER PRODUCT

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