symbol®

LS 4071 Cableless Scanner

The First RF Cordless Scanner Designed for Retail and Light Industrial Applications

Cable-free for Ease of Use and Improved Performance
The LS 4071 scanner from Symbol Technologies offers cableless scanning operation for greater flexibility, mobility and user friendliness. Ergonomically designed with the operator in mind, the LS 4071 also provides excellent scanning performance superior to competitive corded scanners. Plus, it's a member of Symbol's LS 4000 family of high-performance scanners.

The LS 4071 communicates with the host via the cradle/base station.

LS 4071 – The Premier Scanner for the Retail Marketplace
The LS 4071 was specifically designed to help make scanning fast and easy. Its state-of-the-art, two-finger trigger design makes it extremely light and mobile which greatly reduces operator fatigue and helps operators scan heavy or bulky items. And since there's no cord to get in the way, the operator won't knock over items while reaching for hard-to-get-at bar codes.

Another plus that comes from not being tethered is that the LS 4071 can scan items in shopping carts, so customers don't have to lift heavy items up to the counter.

A Scanner with Advanced Features
The LS 4071 offers features that take advantage of Symbol's advanced technology and electronics:

▸ The LS 4071 offers much better RF working range than any competitor – over 10 feet/3 meters, in fact. Since it is cableless, there's never any need to worry about broken cables.

▸ It uses adaptive logic so it can provide excellent scanning performance on all bar codes, including damaged and poor quality symbols. And its brighter laser provides improved performance in brightly lit environments.

▸ The LS 4071 uses flash memory to store system and application software modules. This allows for easy field updates, plus there's no need to open the scanner and physically replace the PROM chip. In addition, its Synapse™ interface makes connectivity to virtually any host a matter of just changing the cable.

▸ Advanced Data Formatting gives LS 4071 users the ability to modify scanned data before forwarding it to the host computer. Also, the LS 4071 uses radio frequency transmission for more accurate first-time scanning, as opposed to other cordless scanners that rely on infrared systems that can be

blocked – which makes scanning impossible.

▸ The 4071 was designed for heavy use and is very durable. It has a rubber overmold canopy and a protective battery boot cover.

The LS 4071 – Reliable, Flexible and Designed to Increase Productivity
Today's first RF cordless scanner designed for retail and light industrial applications, the LS 4071 increases productivity at the checkout. Its award winning, advanced ergonomic design provides greater user comfort so the job is completed

The LS 4071 lets operators scan items without lifting them for added speed and convenience – and no cable restrictions.

more effectively and with much less fatigue. In addition, there's no more downtime due to cable problems. The LS 4071 is the ideal choice for scanning jobs in retail and light warehouse and manufacturing environments.

Another Winning Scanner from Symbol Technologies
The LS 4071 is an innovative scanner more advanced than any offered by the competition. And it's brought to you by Symbol Technologies, the leader in bar code-driven data management systems with more than 6 million scanners and terminals installed worldwide.

LS 4071 Specification Highlights

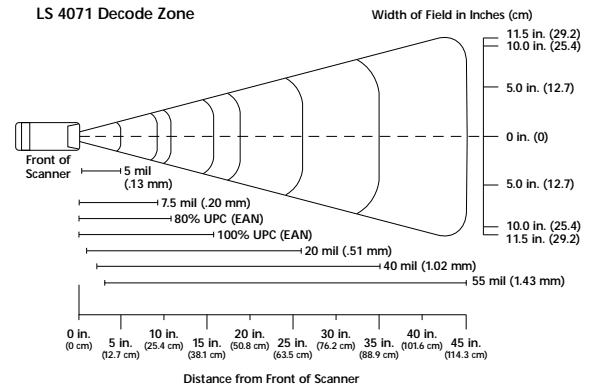## Performance Characteristics

Light Source:	675 nm laser diode
Scan Rate:	36 scans/sec. (bidirectional)
Roll (Skew):	± 25°
Pitch:	± 55°
Yaw:	± 55°
Print Contrast:	25% minimum reflectance
Decode Capability:	(Decoded versions, varies by model and host) UPC/EAN, UPC/EAN with supplementals, Code 39 Full ASCII, Code 128, Codabar, Interleaved 2 of 5, Discrete 2 of 5, MSI/Plessey
Interface Type:	(Varies by model) IBM 4680/4690, Wand Emulation, RS-232-C, OCR, OCIA, Fujitsu, ICL, NCR, Nixdorf, Omron, TEC, Sharp, Casio, POS and Computer Keyboard Wedges from IBM, DEC, Telex, NCR, WYSE, HP and other manufacturers
Electrical:	Complies with UL, CSA and VDE; conforms to FCC Class A and Class B limits
Power Requirements (Base Unit):	U.S.: 110V± 109°, 60 Hz; Europe: 230V± 59°, 50 Hz
Battery Capacity:	3000 scans/charge, minimum
Battery Recharge Time:	2 hr. maximum (uninterrupted)
Radio Range:	10 ft./3m, minimum
Laser Class:	(Varies by model) CDRH Class II, BSI 4803 Class I, IEC 825 Class 2, IEC 825 Class 1
Weight:	Base: 8.92 oz./253 gm. (without power supply or cables); Scanners: 10.23 oz./290 gm

User Environment

Ambient Light:	Immune to normal artificial indoor and natural outdoor (direct sunlight) lighting conditions
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)
Durability:	Scanner withstands multiple 4-ft./1.2 m drops to concrete

LS 4071 Decode Zone

Width of Field in Inches (cm)

Front of Scanner

- 5 mil (.13 mm)
- 7.5 mil (.20 mm)
- 80% UPC (EAN)
- 100% UPC (EAN)
- 20 mil (.51 mm)
- 40 mil (1.02 mm)
- 55 mil (1.43 mm)

11.5 in. (29.2)
10.0 in. (25.4)
5.0 in. (12.7)
0 in. (0)
5.0 in. (12.7)
10.0 in. (25.4)
11.5 in. (29.2)

0 in. (0 cm) 5 in. (12.7 cm) 10 in. (25.4 cm) 15 in. (38.1 cm) 20 in. (50.8 cm) 25 in. (63.5 cm) 30 in. (76.2 cm) 35 in. (88.9 cm) 40 in. (101.6 cm) 45 in. (114.3 cm)

Distance from Front of Scanner

Decode zone measurements are based on an integrated LS 400X scanner reading high quality bar codes at 73°F/23°C. Discrete LS 4000 scanner performance may vary slightly depending on interface controller or portable terminal being used.

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C A U T I O N
LASER LIGHT—
DO NOT STARE INTO BEAM
680nm LASER
1.0 MILLIWATT MAX. OUTPUT
CLASS II LASER PRODUCT
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