

OBSOLETE

LS50

Compact Laser Scanner

Features

- Compact dimensions
101 x 83.5 x 66 mm
(4.0 x 3.3 x 2.6 in)
- Scanning speed 500 scans/sec
- Reading distance up to 1050 mm
(41.3 in)
- Depth of field up to 900 mm
(35.4 in)
- Rugged industrial housing

Applications

- Automatic identification on conveyors
- Automated warehouses
- Automatic picking systems
- Work-in-progress tracking and monitoring
- Quality control

General Description

The **LS50** is an automatic laser bar code scanner, designed for industrial environment applications.

The use of a solid state laser diode and SMD technology permits very compact dimensions, high reading performance and high reliability.

To satisfy various application needs, the **LS50** is available in low, medium and high resolution, as well as raster versions with three different apertures.

Thanks to high scanning speed, maximum reading distance (over one meter) and large depth of field, the **LS50** can read labels in very critical conditions, such as on very fast moving objects.

Teamed with a Datalogic decoder, **LS50** provides a high performance reading system.

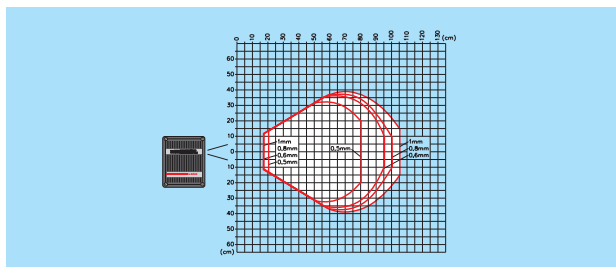
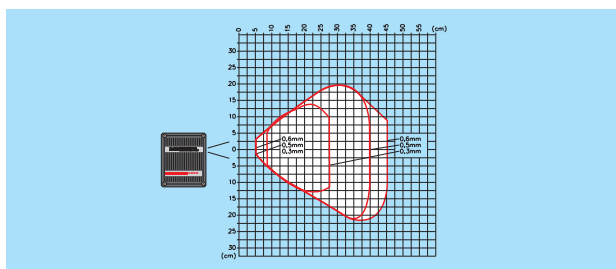
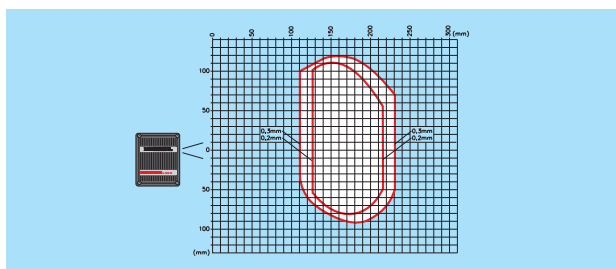
Models and Accessories

MODEL	RESOLUTION			ORDER NO.
	High	Medium	Low	
LS50-H	•			B9762000
LS50-M		•		B9762001
LS50-L			•	B9762002
ACCESSORIES				
GFC-50	90° reading device			B9751067
GFC-05	Oscillating mirror attachment			B9751098
CAB-265	LS50 connection cable			BF08000265
CAB-318	LS50/LS6100 - DP1000/DP1100 connection cable			91A001000

Specifications

POWER SUPPLY	4.75 to 28 VDC	
POWER CONSUMPTION	Laser on	
	290 mA @ 5 VDC	
	120 mA @ 12 VDC	
	70 mA @ 24 VDC	
	Laser off	
	180 mA @ 5 VDC	
	80 mA @ 12 VDC	
	50 mA @ 24 VDC	
LIGHT SOURCE	visible laser diode (670 nm)	
MAX. RESOLUTION	LS50-H 0.15 mm (6 mils)	
	LS50-M 0.30 mm (12 mils)	
	LS50-L 0.50 mm (20 mils)	
SCAN RATE	500 scans/sec	
MAX. READING DISTANCE	LS50-H 230 mm (9.05 in.) (0.3 mm narrow bar)	
	LS50-M 450 mm (17.72 in.) (0.6 mm narrow bar)	
	LS50-L 1050 mm (41.34 in.) (1.0 mm narrow bar)	
MAX. READING FIELD	LS50-H 210 mm (8.27 in.) (0.3 mm narrow bar)	
	LS50-M 400 mm (16.53 in.) (0.6 mm narrow bar)	
	LS50-L 800 mm (33.46 in.) (1.0 mm narrow bar)	
MAX. DEPTH OF FIELD	900 mm (35.43 in.) (1.0 mm narrow bar)	
READING ANGLE	65° (typical)	
LASER CONTROL	Security system that shuts laser Off in case of motor slow down or failure	
DIMENSIONS	101 x 83.5 x 66 mm (4.0 x 3.3 x 2.6 in.)	
WEIGHT	680 g (1.5 lbs)	
CASE MATERIAL	Aluminium	
LASER CLASSIFICATION	IEC 825 Class 2	
OPERATING TEMPERATURE	-5 to 45 °C (23 to 113 °F)	
STORAGE TEMPERATURE	-20 to 70 °C (-4 to 158 °F)	
HUMIDITY	90% non condensing	
VIBRATION RESISTANCE	IEC 68-2-6 Test FC 1.5 mm 10 to 55 Hz; 2 hours on each axis	
SHOCK RESISTANCE	IEC 68-2-27 Test EA 30 G 11 ms; 3 shocks on each axis	
PROTECTION CLASS	IP64	
DL COMPATIBLE DECODERS	DP1000, DP1100, DP150	

Reading diagrams



DATA LOGIC DL

Bar Code & More

We reserve the right to make modifications and improvements

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Datalogic Quality Partner



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