



DL910/DL910LR

Industrial Hand-Held Laser Scanners

Features

- Robust construction, suitable for industrial use (IP64 protection class)
- Reading distance up to 2 meters (DL910LR only)
- Large depth of field
- Very low current consumption
- Completely userprogrammable
- Wide range of interfacing possibilities
- Wide range of power supplies
- Ergonomic design

Applications

- Industrial data collection
- Inventory control
- Quality control
- Automated warehouses
- Work-in-Progress management
- Delivery control
- Portable terminal data collection

General Description

The **DL910/DL910LR** are high performance hand-held laser beam scanners equipped with special ergonomic features, a robust design and a wide range of interfacing possibilities. Advanced optics and latest generation decoding software permit efficient reading of high and low density codes, even if they are of low quality, damaged, or applied to curved, uneven or reflective surfaces, e.g., poorly printed codes from low quality printers and codes printed on copy paper.

The robustness of the **DL910/DL910LR** permits these scanners to perform in residential and industrial areas where they can insert themselves in any bar code identification system, thanks to the available interfaces.

Main application fields can be found in warehouse management: inventory control, order picking, shipping and receiving. Moreover, the long reading range of the **DL910LR** version allows the scanner to be connected and used with forklift radio terminals.

The sought after form of the **DL910/DL910LR** was studied for maximum ergonomomy making the operator's job easier. The scanners' compact tubular structures are characterized by high shock and torsion resistance and offer effective protection for the internal optics and electronics. IP64 protection makes the **DL910/DL910LR** the toughest hand-held scanners present on the market nowadays, capable of withstanding the most severe working environments.

Due to the **DL910/DL910LR**'s low consumption, they can be easily combined with portable systems by expanding the batteries' recharging cycle.

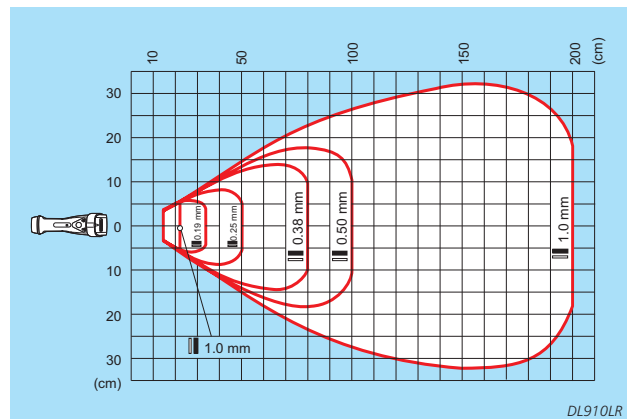
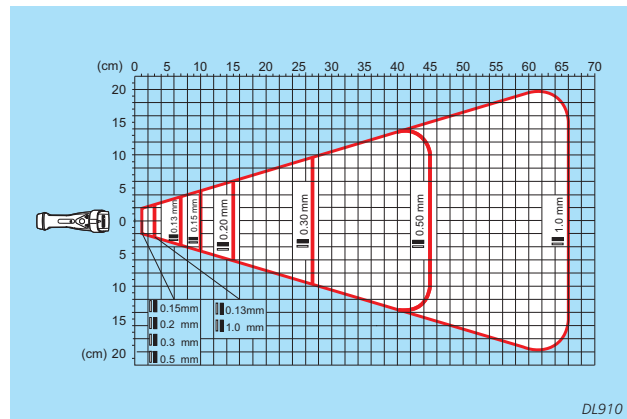
Models and Accessories

TYPE	TTL/LASER	EIA RS232	Pen Emulation	OUTPUT OCIA	OCR	IBM 468x/469x	Wedge	ORDER NUMBER
DL910-01	•							905101000
DL910-11		•						905101020
DL910-21			•					905101030
DL910-31				•				905101050
DL910-41					•			905101060
DL910-51						•		905101070
DL910-61							•	905101080
DL910LR-01	•							905351000
DL910LR-11		•						905351020
DL910LR-21			•					905351040
DL910LR-61							•	905351120
ACCESSORIES								
CAB288	Coiled extension cable for the DL910-01, DL910LR-01 (2.5 m)							BF08000288
CAB289	Coiled extension cable for the DL910-21, DL910LR-21 (2.5 m)							BF08000289

Specifications

POWER SUPPLY	4.75 to 14 Vdc From host (DL910-51/61, DL910LR-61)	
MAX. RIPPLE	50 mVpp	
POWER CONSUMPTION	140 mA @ 5 Vdc (DL910/LR-01)	150 mA @ 5 Vdc (DL910/LR-11)
	155 mA @ 5 Vdc (DL910-21/31/61, LR-21)	170 mA @ 5 Vdc (DL910LR-61)
	175 mA @ 5 Vdc (DL910-41)	180 mA @ 5 Vdc (DL910-51)
LIGHT SOURCE	Visible laser diode (680 nm)	
MAX. RESOLUTION	5 mils (0.13 mm) DL910	7 mils (0.19 mm) DL910LR
SCAN RATE	36 (±3) scans/sec.	
PRINT CONTRAST VALUE	25% minimum reflectance difference measured at 680 nm	
MAX. READING DISTANCE	66 cm (1 mm bar width) DL910	200 cm (1 mm bar width) DL910LR
MAX. READING FIELD	40 cm (1 mm bar width) DL910	60 cm (1 mm bar width) DL910LR
READING ANGLE	Skew ±60° Pitch ±65° (DL910); ±45° (DL910LR)	
INTERFACES AVAILABLE	See table above	
READABLE BAR CODES	2/5 family, code 39, code 93, code 128, EAN/UPC (with or without Add On Code), Codabar, code 11, code 39 C.I.P., code 32 pharmaceutical, MSI, Plessey, EAN128	
BAUD RATE (RS232 only)	110 to 19,200 baud	
BAR CODE READING	Single code or auto-discrimination	
PROGRAMMING METHODS	Manual Reading programming bar code menu Automatic (RS232 only) S/W commands via the serial port Copy Master/slave configuration	
READING INDICATORS	Good read Green LED; Beeper (adjustable tone) Power ON Red LED	
DIMENSIONS	225 x 69 x 67 mm (8.86 x 2.72 x 2.64 in.)	
WEIGHT (with cable)	420 g (14.81 oz.) 380 g (13.40 oz.) (DL910/LR-01)	
CASE MATERIAL	Polycarbonate	
CABLE LENGTH	2.5 m (8.2 ft.) coiled 2 m (6.56 ft) straight (DL910-51)	
LASER CLASSIFICATION	IEC 825.1 Class 1 (DL910) IEC 825.1 Class 2 (DL910LR)	
AMBIENT LIGHT CONDITIONS	Immune to direct exposure to normal lighting conditions as well as indirect exposure to sunlight	
OPERATING TEMPERATURE	-10 to 40 °C (14 to 104 °F)	
STORAGE TEMPERATURE	-20 to 60 °C (-4 to 140 °F)	
HUMIDITY	95% non condensing	
SHOCK RESISTANCE	Unit functions normally after a 1.5 m (5 ft) drop onto a concrete surface	
PROTECTION CLASS	IP64	

Reading Diagrams



DATA LOGIC DL

Bar Code & More

We reserve the right to make modifications and improvements

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