

LE Series



Laser Measurement Sensors

- Ready to measure right out of the box with easy adjustment, setup and use.
- Easy adjustment with a two-line, eight-character intuitive display
- Repeatability and accuracy for challenging targets, from metal to black rubber
- Visible class 2 laser for small spot size and simple alignment





LE Series Sensors



Two-line, eight character display

Bright LED indicators provide clear status indication for analog output, discrete output and power

Pushbutton programming for easy set up, troubleshooting and real-time distance measuring



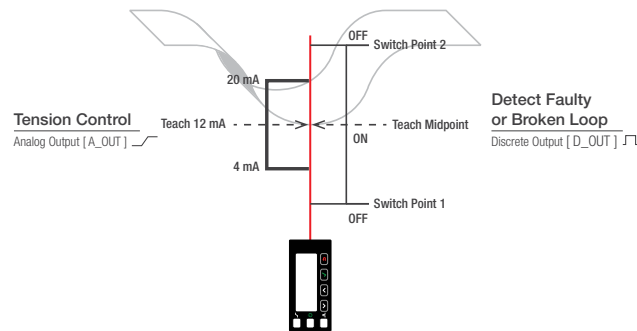
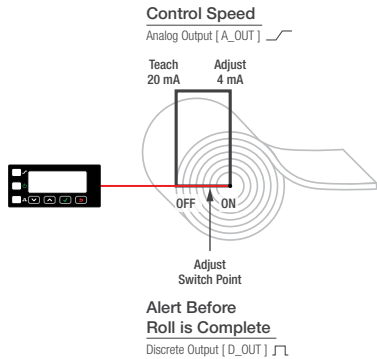
Remote input allows for remote teaching, laser enable and advanced measurement modes to expand the range of applications solved with a single sensor

Durable IP67-rated zinc housing stands up to extreme industrial environments

Acrylic Lens Cover

Class 1 or Class 2 laser with small, highly visible, spot for easy sensor alignment and small object detection

Intuitive Display, Simple Adjustment

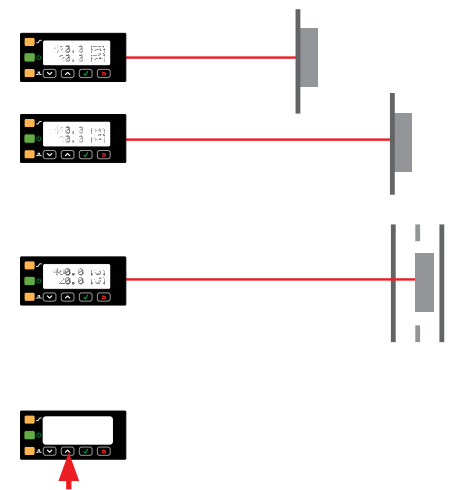


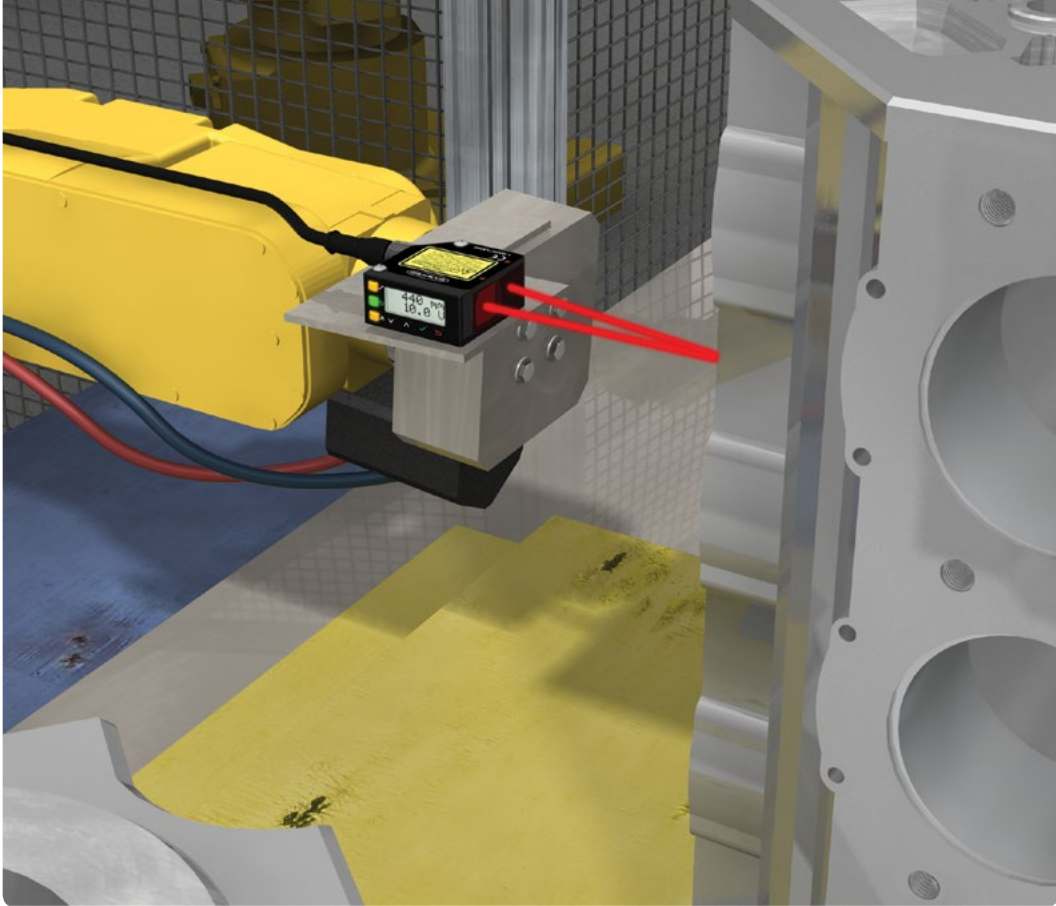
Setting Options:

2-Point Teach
Teach two targets as the end points of the analog span or discrete output window

Mid-Point Teach
Teach a window of user-defined size around a target

Push Button Adjust
Manually set analog and discrete output end points without presenting a target





Precision Laser Measurement

LE250

- Measurement Range up to 400 millimeters
- Resolution as fine as 0.02 millimeters
- Small laser spot for detecting small features and best performance across changing colors and reflectivity

LE550

- Measurement Range up to 1 meter
- Sub millimeter resolution across entire range
- Larger spot for better measurement stability across uneven surfaces



1.2 x 0.9 mm



12.1 mm x 4.9 mm

400 mm

1000 mm



LE Series Sensors



550 = 100-1000 mm
250 = 100-400 mm

I = 4 to 20 mA analog and (1) NPN/PNP discrete
U = 0 to 10 V analog and (1) NPN/PNP discrete
D = (2) NPN/PNP discrete
K = IO-Link and (1) PNP discrete

Blank = Class 2
C1 = Class 1

Blank = 2 m Integral Cable
Q = Rotatable M12 Euro QD
QP = PVC M12 Euro Pigtail QD
W/30 = 9 m Integral Cable

QD models require mating cordset

NOTE: Discrete NPN/PNP is user configurable



Supply Voltage | 12 to 30 V dc
Operating Conditions | Temperature: -20° to +55° C
Humidity: 90% at +55° C
Construction | Housing: Die-cast zinc
Lens Cover: Acrylic

Environmental Rating | IEC IP67, NEMA 6
Certifications | CE, UL LISTED

Accessories

Brackets



Cordsets

Type	Length	Model
5-Pin M12/Euro-Style Cordsets with Shield Straight connector models listed	2 m (6.5')	MQDEC2-506
	5 m (15')	MQDEC2-515
	9 m (30')	MQDEC2-530
	15 m (50')	MQDEC2-550

