

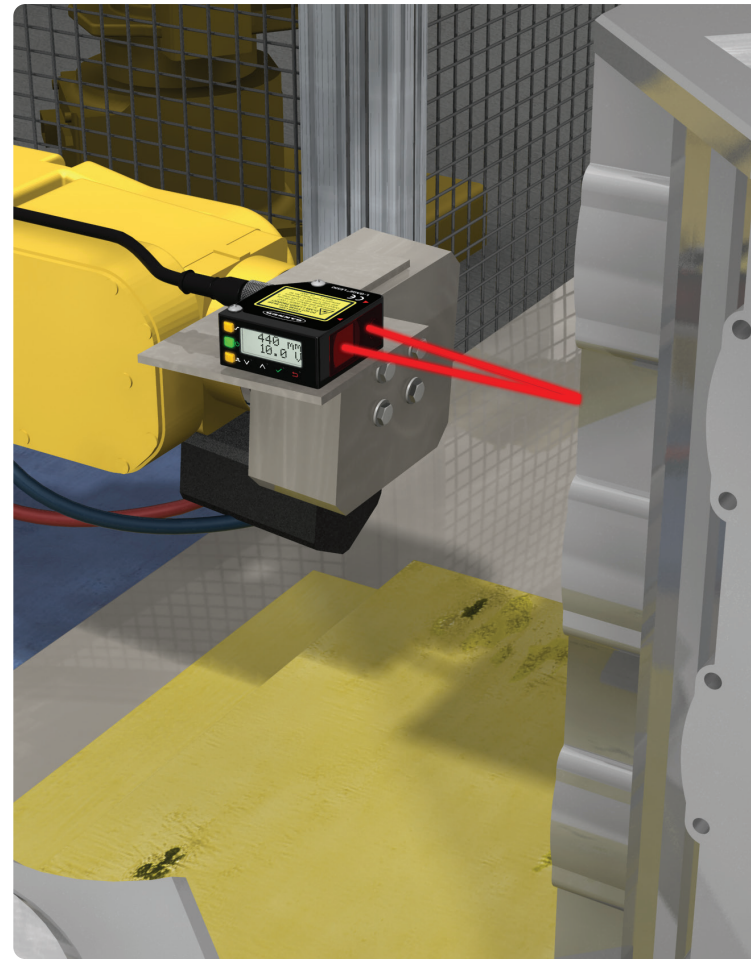
LE Laser Displacement Sensors



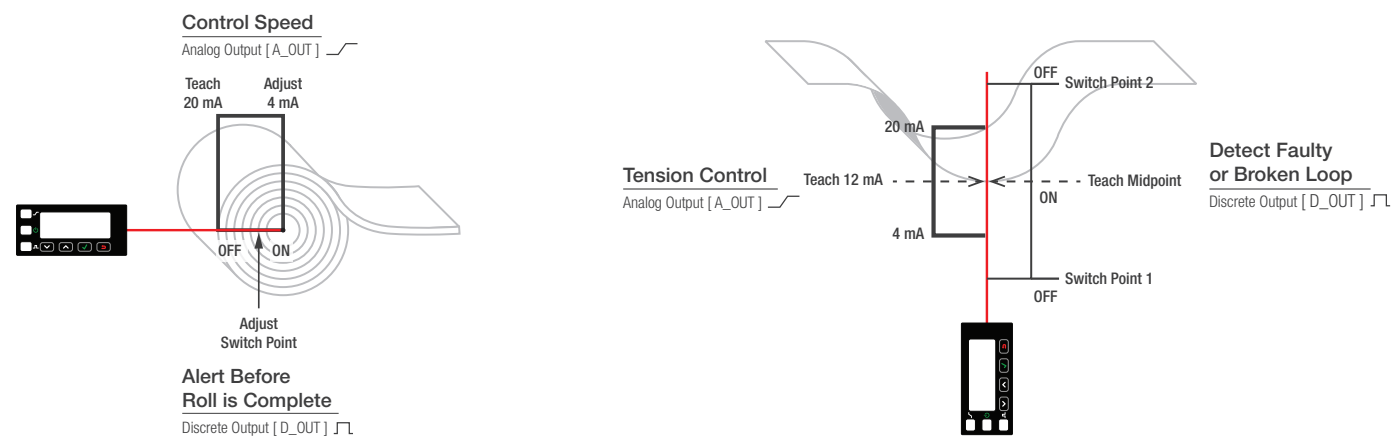
High Precision Laser Measurement Sensor

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

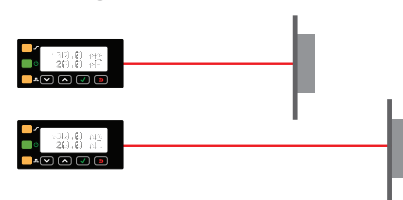




Intuitive Display, Simple Adjustment



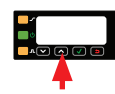
Setting Options:



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

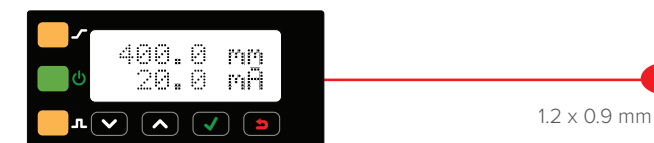


Push Button Adjust
Manually set analog and discrete output end points without presenting a target

Precision Laser Measurement

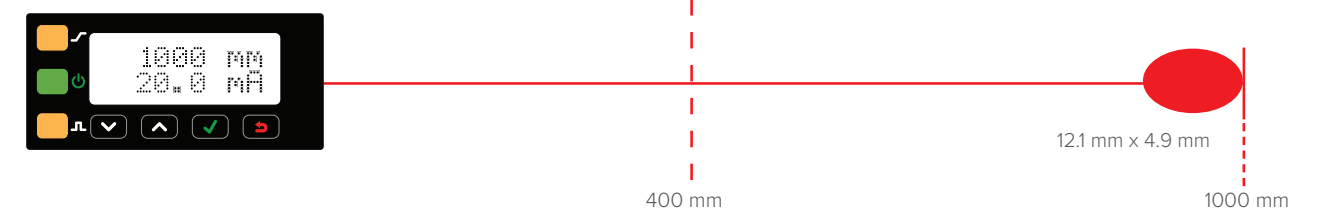
LE250

- 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



LE Series Sensor

Family	Range	Output	Laser Class	Connector
LE	550	I	Blank	Q
	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 NOTE: Discrete NPN/PNP is user configurable	Blank = Class 2 C1 = Class 1	Blank = 2 m Integral Cable Q = Rotatable M12 QD QP = PVC M12 Pigtail QD W/30 = 9 m Integral Cable QD models require mating cordset

Specifications



Supply Voltage	12 to 30 V dc
Operating Conditions	Temperature: -20° to +55° C (-4° to +131° F) Humidity: 90% at +55° C
Construction	Housing: Die-cast zinc Lens Cover: Acrylic
Environmental Rating	IEC IP67, NEMA 6
Certifications	CE, UL LISTED

Accessories



SMBLEL



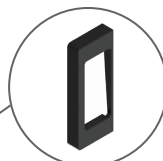
SMBLEU



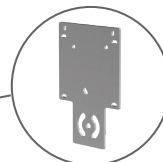
SMBLEFA



SMBAMSLEIP
full assembly with plate and
two protective windows



RWAMSLE
replacement windows



SMBAMSLTFP
mounting plate



M12 with Shield
Straight connector models
listed; for right-angle,
add **RA** to the end of the
model number (example,
MQDEC2-506RA)

5-pin

MQDEC2-506
2 m (6.5')
MQDEC2-515
5 m (15')
MQDEC2-530
9 m (30')
MQDEC2-550
15 m (50')



Banner Engineering Corp.

9714 10th Avenue North • Minneapolis, MN 55441 • 1-888-373-6767 • www.bannerengineering.com