



LB-043
Sensor Head

*Please note that accessories depicted in the image are for illustrative purposes only and may not be included with the product.

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This model has been discontinued.
Compliance with the certification standard is ensured as of the time of shipment from our company.

Contact Us: 1-888-539-3623

Recommended Replaceable Products: [CMOS Multi-Function Analog Laser Sensor - IL series](#)

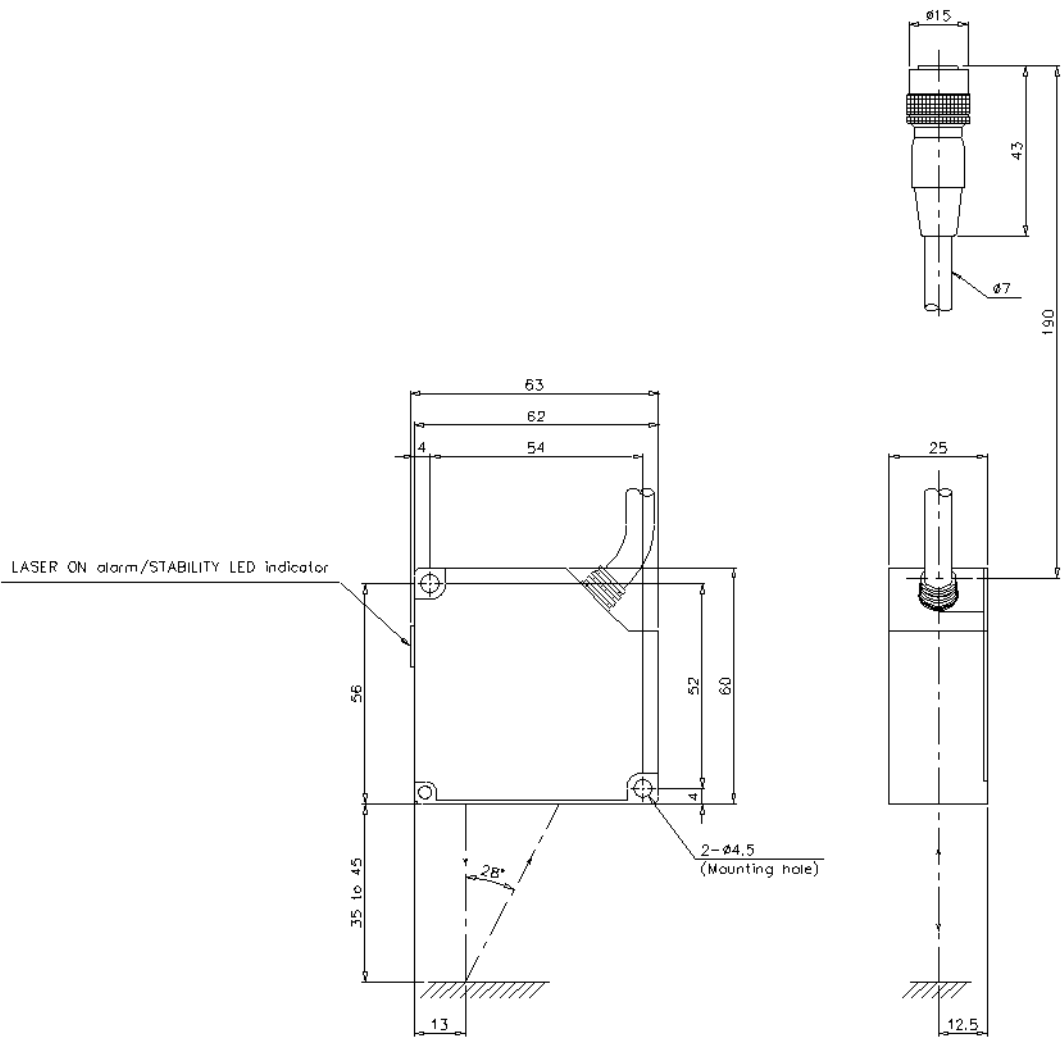
Specifications

Model			LB-043
Type			High-resolution Sensor head
Reference distance			40 mm 1.57"
Measuring range			±5 mm ±0.20"
Output	Laser Class	FDA (CDRH) 21CFR Part 1040.10	Class II
		IEC 60825-1	—
Light source	Type		Visible red semiconductor laser
	Pulse duration		35 μs
	Wavelength		670 nm
Spot diameter (with white paper)			1 x 2 mm 0.04" x 0.08"" ^{*1}
Linearity (with white paper)			0.25% of F.S.*1
Resolution (at LO mode with white paper at reference distance)			4 μm 0.16 Mil

*1 Spot diameter was measured with the target at the reference distance.

Dimensions

* Download CAD file or product manual for larger image/text and more detail.



LB-040

Characteristic

* Download CAD file or product manual for larger image/text and more detail.

Changes in detection span when target is tilted

LB-301

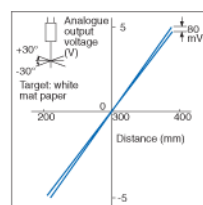
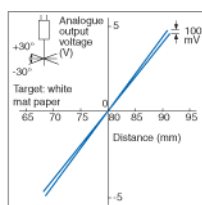
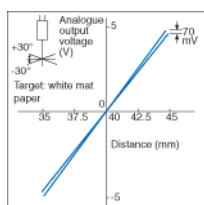
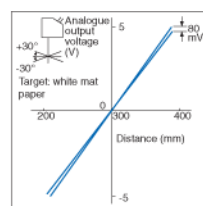
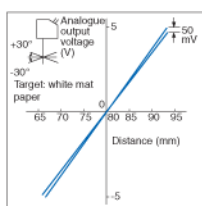
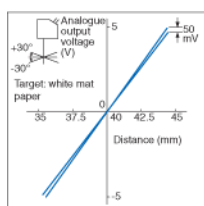
LB-041/043

LB-081/083

40 mm $\pm$ 5 mm

80 mm $\pm$ 15 mm

300 mm $\pm$ 100 mm



Measuring range vs. analogue output
LB-041/043
(LB-081/083)

