



LB-081
Sensor Head

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

ⓘ This model has been discontinued. Contact Us: 1-888-539-3623
Compliance with the certification standard is ensured as of the time of shipment from our company.

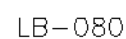
Recommended Replaceable Products: [CMOS Multi-Function Analog Laser Sensor - IL series](#)

Specifications

Model			LB-081
Type			Standard Sensor head
Reference distance			80 mm 3.15"
Measuring range			±15 mm ±0.59"
Output	Laser Class	FDA (CDRH) 21CFR Part 1040.10	Class IIIa
		IEC 60825-1	Class 3R
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)			8 μm 0.31 Mil

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

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



Characteristic

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Changes in detection span when target is tilted

LB-301

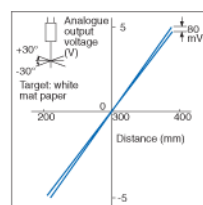
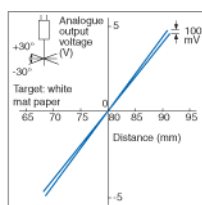
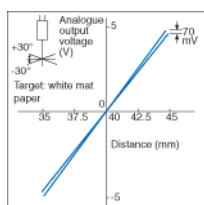
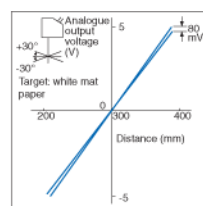
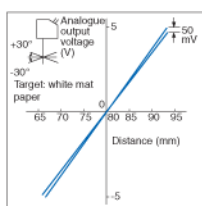
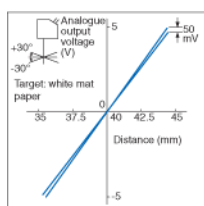
LB-041/043

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)

