



LK-G150

Sensor Head Spot Type

CE

SPECIFICATIONS

Model		LK-G150
Reference distance		150 mm (Diffuse reflection),147.5 mm (Specular reflection)
Measuring range		±40 mm (Diffuse reflection),±39 mm (Specular reflection)
Light source	Туре	Red semiconductor laser
	Wavelength	655nm (Visible light), Class 3R laser product (JIS C6802)
	Laser Class	Class 3R (IEC 60825-1), Class IIIa (FDA CDRH Part 1040.10)
	Output	4.8 mW maximum
Spot diameter (at reference distance)		Approx. ø120 μm
Linearity		±0.05% of F.S. (F.S.= ±40 mm)*1
Repeatability		0.5 μm ^{*2}
Sampling frequency		20/50/100/200/500/1,000 μs (Selectable from 6 levels)
LED display		Near the centre of the measurement: Green lights Within the measurement area: Orange lights Outside the measurement area: Orange flashing
Temperature characteristics		0.01 % of F.S./°C (F.S. = ±40 mm)
Environmental resistance	Enclosure rating	IP67 (IEC60529)
	Ambient light	Incandescent lamp or Fluorescent lamp: 10,000 lux max.
	Ambient temperature	0 to +50 °C
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm, 2 hours in each of the X, Y, and Z directions
Material		Aluminium die-cast
Weight		Approx. 290 g (including the cable)

This value was taken when measuring a KEYENCE standard target (ceramic) in standard mode.

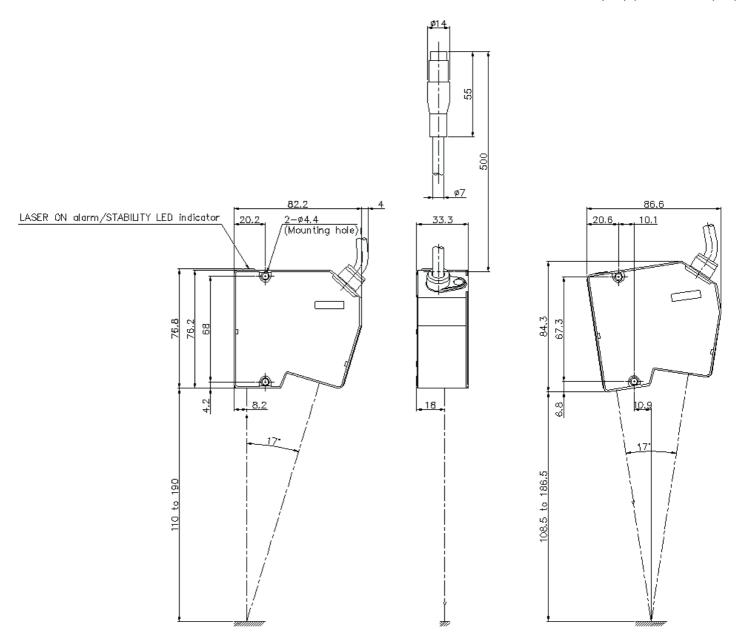
These values were taken when measuring a KEYENCE standard target (SUS) at a reference distance and with the number of averaging measurements set to 4,096



Dimensions

lk-g150_head_2_dimension_01.gif

LK-G150(H)/G155(H)



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