



LS-7010

Sensor Head, without Monitor Function



SPECIFICATIONS

Model	LS-7010	
Type	Small-diameter	
Classification	without monitor camera	
Measurement range	0.04 to 6 mm	
Smallest detectable object	0.04 mm	
Transmitter/receiver distance	60 ±5 mm	
Repeatability	±0.06 μm ¹	
Measurement accuracy	±0.5 μm ²	
Sampling cycle	2,400 samples/sec. ³	
CCD scanning range	Approx. 7 mm	
Light source	GaN green LED	
Monitor camera	Not provided	
Environmental resistance	Enclosure rating	IP64 ⁴
	Ambient temperature	0 to +50 °C
	Relative humidity	35 to 85 % RH (No condensation)
Weight	Transmitter: Approx. 140 g Receiver: Approx. 340 g Base: Approx. 220 g	

¹ The value of ±2σ when the outer diameter of a rod 1 mm in diameter is measured at the centre of the measuring area while the number of averaging measurements is set to 512.

² The error when a moving rod 1 mm in diameter is measured within the measuring area of 2 x 4 mm.

³ 1,200 samples/sec. when the mutual interference prevention function is used.

⁴ The connector section is excluded.

Dimensions

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

■ LS-7010 Measuring Head

