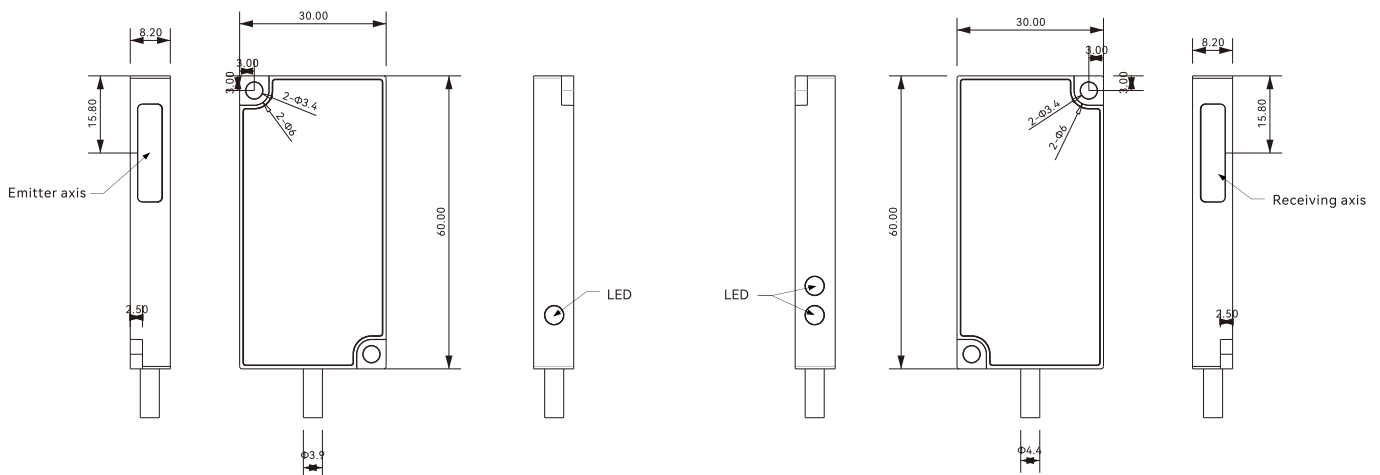


Detection method	Through-beam laser measuring (CMOS mode)	
Detection range	Edge detection mode ± 6 mm Diameter detection mode 12mm	
Setting distance	0 ~ 500mm	
Light source	Red semiconductor laser level 1	
Laser class	Class 1	
Minimum detectable object	0.5mm(When setting a distance of 500mm)	
Repeatability	1 μ m(When setting a distance of 20mm) 3 μ m(When setting a distance of 100mm) 5 μ m(When setting a distance of 500mm)	
Linear accuracy	$\pm 0.12\%$ F.S.(When setting a distance of 20mm) $\pm 0.4\%$ F.S.(When setting a distance of 100mm)	
Analog output	Voltage	Output range: 0V~5V, output impedance: 100 Ω
	Current	Output range: 4mA~20mA, load: less than 300 Ω
Communication	485 communication hexadecimal	
Measurement mode	Auto Edge Mode, Edge Mode, ID/Gap Mode, Width/Diameter Mode	
Ambient temperature	Operation temperature	-10 ~ +45 $^{\circ}$ C(No freezing, No condensation)
	Storage temperature	-20 ~ +60 $^{\circ}$ C
Ambient humidity	Operation humidity	35 ~ 85%RH
	Storage humidity	35 ~ 85%RH
Voltage	DC12~24V $\pm 10\%$	
Current consumption	Emitting: 10mA or less (DC24V) Receiving: 70mA or less (DC24V)	
Insulation	Insulation resistance >20M Ω at DC500V between all terminals and housing	
Pulse resistance	Durable 500m/s ² , 3 times each in X,Y,Z three directions.	
Anti-vibration	Durable 10 ~ 55Hz complex amplitude 1.5mm, 2 hours each in X,Y,Z three directions	
Ambient illumination	Incandescent lamp: the illuminance of the light-receiving surface is below 3,000lux	
Temperature drift	$\pm 0.03\%$ F.S./ $^{\circ}$ C	
Indicator light	Emitter (laser emission indicator green) Receiver (optical axis adjustment light green, judgment output light red)	
Protection degree	IP50	
Shell	Aluminum alloy metal shell	
Outgoing way	Receiver:5-core composite cable 2m Emitter: 2-core cable 2m	

ETD-0612

Dimensions

Unit: mm



Circuit diagram

