



GT2-A32

Sensor Head, Air Cylinder Model



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

Specifications

Model		GT2-A32
Detection system		Quartz glass scale, CMOS image sensor projection system, Absolute type (without tracking error)
Measuring range		32 mm 1.26"
Resolution		0.5 µm 0.02 Mil
Indicated accuracy		3 µm 0.12 Mil (p-p)*1
Measuring force	Downward mounting	2.1 N*2
	Side mounting	1.8 N*2
	Upward mounting	1.5 N*2
Sampling cycle		1 ms
Operation indicator light		2-color LED (red, green)
Environmental resistance	Enclosure rating	IP67*3
	Pressure resistance	1 MPa
	Applied pressure range	0.25 to 0.5 MPa
	Ambient temperature	0 to +55 °C 32 to 131 °F (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions*4
Materials	Main body	Main body case: Zinc die-casting; Cylinder part: Aluminium alloy; Air joint resin part: Polyacetal; Air joint metal part: Brass nickel plating; Indicator: Polyarylate
	Dust boot	NBR
	Contact	TYPE304, 440C Stainless steel*5
Sensor head cable		Optional (connect to the M8 connector)
Weight		Approx. 340 g (excluding cable)

*1 Value when the ambient temperature is 20 °C 68 °F.
*2 Value at center of measuring range. Please note that the measurement force changes depending on the installation state of the dust boots.
*3 Make sure the air tube is connected to the air exhaust joint and that no foreign materials enter inside from the joint.
*4 In the case where a mounting bracket D is used with GT2-A32 and GT2-A50, the double amplitude becomes 0.75 mm 0.03".
*5 The contact is included with the sensor.

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

When GT2-CH2M/5M/10M/20M is mounted

