



GT2-P12

Stylus type General-purpose Sensor head

CE

Specifications

Model	GT2-P12*1	
Detection system	Scale Shot System II, absolute (no tracking errors) type	
Measuring range	12 mm 0.47"	
Resolution	0.5 μm 0.02 Mil	
Indicated accuracy	2 μm 0.08 Mil (p-p)*2	
Measuring force	Downward mounting	1.0 N*3
	Side mounting	0.95 N*3
	Upward mounting	0.9 N*3
Sampling cycle	4 ms	
Mechanical response	10 Hz*2	
Operation indicator light	2-color LED (red, green)	
Environmental resistance	Enclosure rating	IP67G (JIS)*4, IP67 (IEC), NEMA Type 13*4
	Ambient temperature	-10 to +55 °C 14 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
	Shock resistance	1,000 m/s ² (IEC60068-2-27)
Materials	Main body	Main body case: SUS 303, Status indicator: PET, Sensor head-relay connector cable: PUR, Relay connector: PBT
	Dust boot	NBR
	Contact	SUS304, SUS440C*5
Sensor head cable	Optional (connect to relay connector)	
Weight	Approx. 35 g (excluding cable)*6	

*1 Note: You may not be able to connect the sensor head to the amplifier unit depending on when the amplifier unit was purchased. For details, contact your local sales office.

*2 Value when the ambient temperature is 20 °C 68 °F.

*3 Value at center of measuring range. Please note that the measurement force changes depending on the installation state of the dust boots.

*4 When an M8 oil-resistant cable (GT2-CHP2M/CHP5M/CHP10M) is used for the sensor head cable.

*5 The contact is included with the sensor.

*6 Including the relay connector.

Dimensions

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

gt2-p12_dimension_01.gif

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