



## GT2-P12

Stylus type General-purpose Sensor head



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

## Specifications

Model		GT2-P12*1
Detection system		Scale Shot System II, absolute (no tracking errors) type
Measuring range		12 mm
Resolution		0.5 $\mu\text{m}$
Indicated accuracy		2 $\mu\text{m}$ (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-colour LED (red, green)
Environmental resistance	Enclosure rating	IP67G (JIS)*4, IP67 (IEC), NEMA Type 13*4
	Ambient temperature	-10 to +55 °C (No freezing)
	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
	Shock resistance	1,000 m/s <sup>2</sup> (IEC60068-2-27)
Materials	Main body	Main body case: SUS 303, Status indicator: PET, Sensor head-relay connector cable: PUR, Relay connector: PBT, Spindle of GT2-PA12K/PA12: SUS430 (Fluorine coating)
	Dust boot	NBR
	Contact	SUS304, SUS440C*5
Sensor head cable		Optional (connect to relay connector)
Weight		Approx. 35 g (not including 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.

\*3 Representative value at the centre of the measuring range. Please note that the measuring force varies by the installation state of the dust boot. This is a representative value when using the GT2-PA12K/PA12 with a pressure of 0.25 MPa. The measuring force varies depending on the air pressure used. For details, see table 1.

No dust boots are used with the GT2-PA12K/PA12.

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

\*5 Contacts are available as options sold separately.

\*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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