



## GT2-H12K

Sensor Head, High-precision Type

CE

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

## Specifications

Model	GT2-H12K	
Detection system	Quartz glass scale, CMOS image sensor projection system, Absolute type (without tracking error)	
Measuring range	12 mm 0.47"	
Resolution	0.1 $\mu\text{m}$ 0.004 Mil	
Indicated accuracy	1 $\mu\text{m}$ 0.04 Mil (p-p)* <sup>1</sup>	
Measuring force	Downward mounting	1.0 N* <sup>2</sup>
	Side mounting	0.9 N* <sup>2</sup>
	Upward mounting	0.8 N* <sup>2</sup>
Sampling cycle	1 ms	
Mechanical response	10 Hz* <sup>1</sup>	
Operation indicator light	2-color LED (red, green)	
Environmental resistance	Enclosure rating	IP67
	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 <sup>2</sup> (IEC60068-2-27)
Materials	Main body	Main body cast: Zinc die-casting, Indicator: Polyarylate, Dust boot: NBR
	Dust boot	NBR
	Contact	TYPE304 Stainless steel, super-tough tungsten alloy* <sup>3</sup>
Sensor head cable	Optional (connect to the M8 connector)	
Weight	Approx. 95 g (excluding cable)	

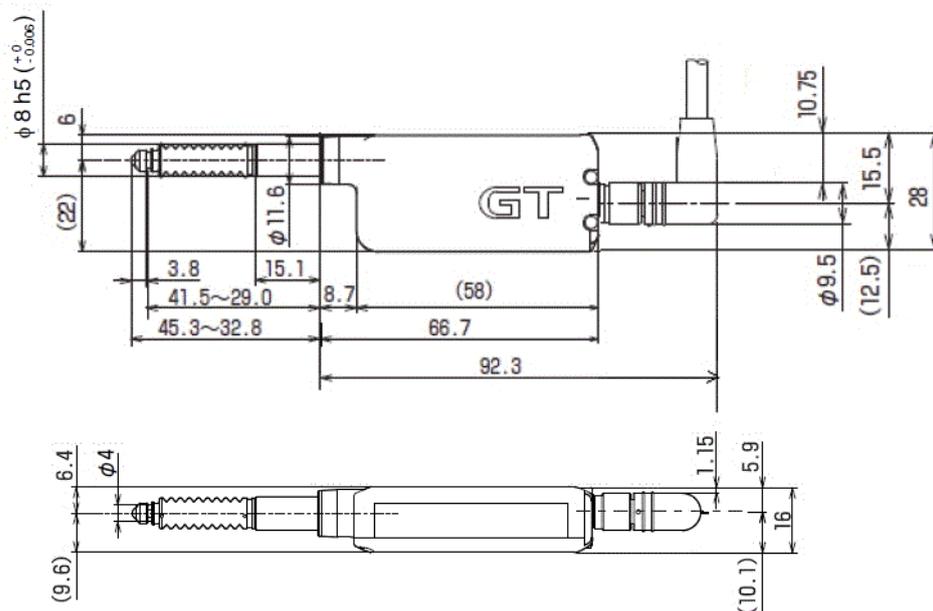
\*<sup>1</sup> Value when the ambient temperature is 20 °C 68 °F.

\*<sup>2</sup> Value at center of measuring range. Please note that the measurement force changes depending on the installation state of the dust boots.

\*<sup>3</sup> The contact is included with the sensor.



When GT2-CHL2M/5M/10M/20M is mounted



Unit: mm

**Reference**

There is no dust boot for GT2-H12KL/H12L.