

## FT-H50K

Sensor Head: High temperature model



## SPECIFICATIONS

Model	FT-H50K	
Type	High temperature, Ultra long-range	
Rated temperature range	0 to 1350°C <b>32 to 2462°F</b> <sup>1</sup>	
Displayable temperature range	-50 to +1400°C <b>-58 to 2552°F</b>	
Detecting distance	Unlimited <sup>2</sup>	
Measuring distance / View diameter (example)	500/ø18 mm <b>15.69"/ø0.71"</b> 1500/ø30 mm <b>59.06"/ø1.18"</b> 3000/ø75 mm <b>118.11"/ø2.95"</b>	
Sight	2-point visible laser beam <sup>3</sup>	
Detecting element	Thermopile	
Detecting wavelength	8 to 14 µm	
Repeatability	±3°C <b>5.4°F</b>	
Emissivity (ε) correction	0.10 to 1.99 (0.01 step)	
Environmental resistance	Ambient temperature	-10 to +55 °C <b>14 to 131 °F</b> (No freezing)
	Relative humidity	35 to 85 % RH (No condensation)
	Vibration resistance	10 to 55 Hz, Double amplitude 1.5 mm <b>0.06"</b> , 2 hours in each of the X, Y, and Z axis
	Shock resistance	500 m/s <sup>2</sup> , 10 times in each direction of each of X, Y and Z axis, 60 times in total
Material	Case: Reinforced glass plastic, Infrared collector lens: Germanium, Laser transmitter: Polyarylate Lens tube: Aluminum, Cable: Vinyl chloride, Mounting bracket: SUS304, Mounting screw: Stainless steel	
Accessory	Mounting bracket	
Weight	Approx. 150 g	
<sup>1</sup> Repeatability is guaranteed within the rated temperature range. <sup>2</sup> Place at a distance so that object appears 1.5 times larger than the view diameter. <sup>3</sup> Visible semiconductor laser beam wavelength 655 nm, Class 1 Laser Product (IEC60825-1, FDA (CDRH) Part1040.10). The laser classification for FDA (CDRH) is implemented based on IEC 60825-1 in accordance with the requirements of Laser Notice No.50.		

