



## FT-H10

Sensor Head: Mid to low temperature model

CE

## Specifications

Model	FT-H10	
Type	Mid to low temperature, Small-spot	
Rated temperature range	0 to 500°C 32 to 932°F*1	
Displayable temperature range	-50 to +520°C -58 to +968°F	
Detecting distance	Unlimited*2	
Measuring distance / View diameter (example)	17.5/ø6.3 mm 0.69"/ø0.25" 35/ø1.5 mm 1.38"/ø0.06" 52.5/ø8 mm 2.07"/ø0.31"	
Sight	2-point visible laser beam*3	
Detecting element	Thermopile	
Detecting wavelength	8 to 14 μm	
Repeatability	±0.5°C 0.9°F	
Emissivity (ε) correction	0.10 to 1.99 (0.01 step)	
Environmental resistance	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 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 Cable: Vinyl chloride, Mounting bracket: SUS304, Mounting screw: Stainless steel	
Accessory	Mounting bracket	
Weight	Approx. 120 g	

\*1 Repeatability is guaranteed within the rated temperature range.

\*2 Place at a distance so that object appears 1.5 times larger than the view diameter.

\*3 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.

