

## **FT-H10**

Sensor Head: Mid to low temperature model

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

## **Specifications**

Model		FT-H10
Туре		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 ( $\epsilon$ ) 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

<sup>\*1</sup> Repeatability is guaranteed within the rated temperature range.

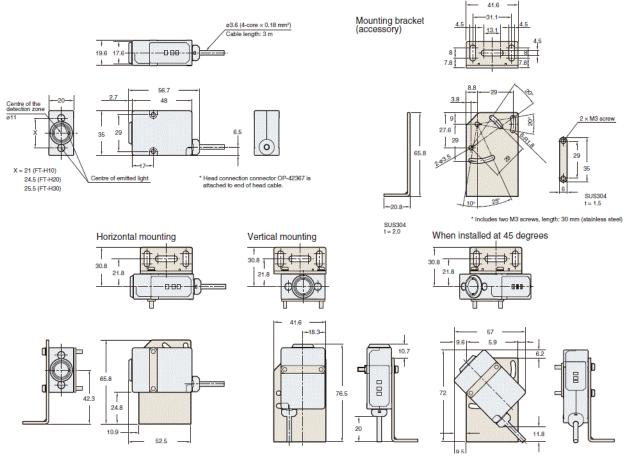
<sup>\*2</sup> Place at a distance so that object appears 1.5 times larger than the view diameter.
<sup>\*3</sup> Visible semiconductor laser beam wavelength 655 nm, Class 1 Laser Product (IEC60825-1, FDA (CDRH) Part1040.10). The laser classification for FDA (CDRH) is implemented based on IEC 60825-1 in accordance with the requirements of Laser Notice.



## Dimensions

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

## FT-H10/20/30



Unit: mm