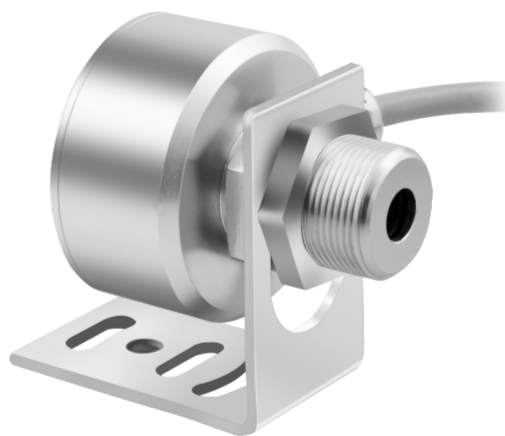


Product description

This product uses infrared temperature measurement. It can calculate the surface temperature of an object through the infrared radiation intensity emitted by the target without contacting the target. Non-contact temperature measurement is the biggest advantage of infrared temperature sensors. There is no friction when using it. Users can easily measure targets that are difficult to approach or move, and the product output data is intuitive, true and reliable.

It can be debugged on site through software. The product has the characteristics of high output sensitivity and fast response speed. It is widely used in temperature measurement in scenes such as food, ceramics, printing, cables, rubber, and power composite materials.



Features

- No need to contact the target.
- Fast response and high accuracy.
- Convenient for measuring difficult-to-reach or moving targets.
- Can meet the requirements of various working conditions.
- Easy to install, with multiple temperature measurement ranges available.

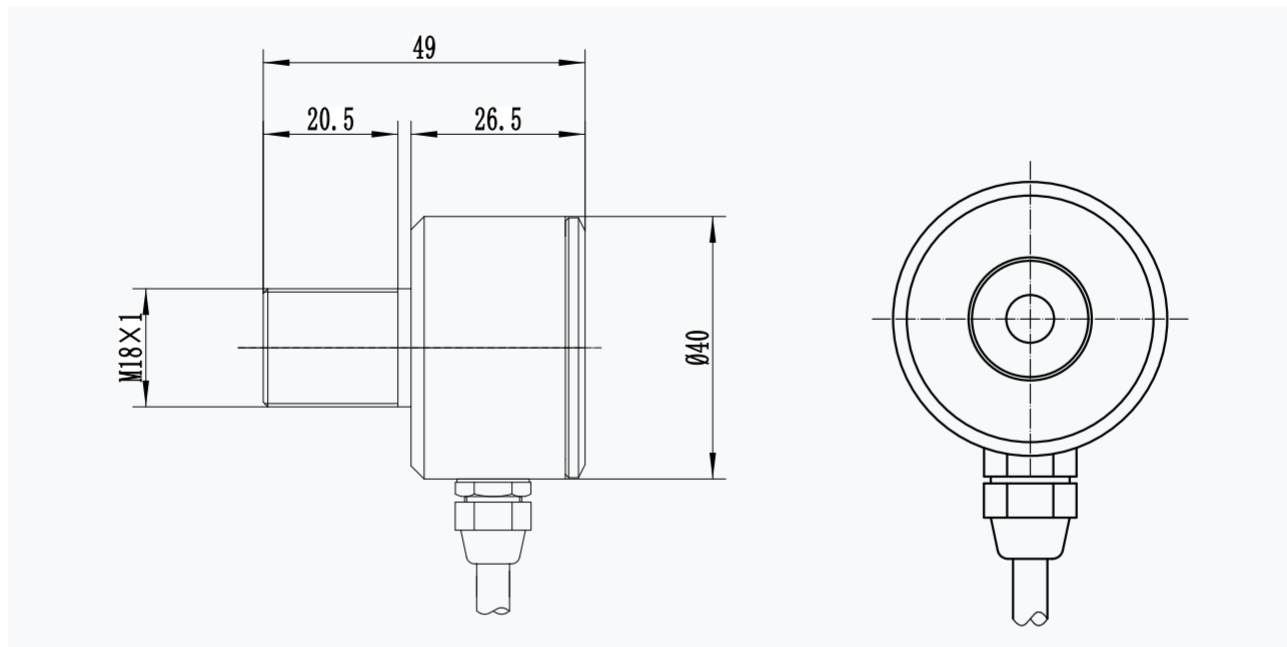
Applicable scene

- Power equipment
- Modern medical field
- Food industry
- Chemical industry
- Construction industry
- Machining control field

Performance

Temperature measurement range (°C)	0...1200°C		Response time	300ms (95%)
Output signal	(4~20)mA	RS485	D:S	20:1
Signal line specifications	2Wire/3Wire	4Wire	Protection level	IP65
Supply voltage	10~30V DC	5~30V DC	Ambient temperature	0~+60°C
Spectral range	8-14um		Storage temperature	-20~+80°C
Temperature measurement accuracy	±2% of measured value or ±2°C, whichever is greater			

Dimensions



Electrical Connections

Signal output mode	Line Color	Function
4-20mA	Red	+Vcc
	Black	+Iout
RS485	Red	+Vcc
	Black	GND
	Green	RS485 A
	White	RS485 B

Note: The specific wiring method shall be subject to the line standard.

Selection guide

Infrared sensor model examples: F S T 6 0 0 - 4 0 5 0 1 2 - 7 0 0

① ② ③④⑤ ⑥

- ① Product series model ② Product model code ③ Accuracy code ④ Output/power supply number
⑤ Electrical connection code ⑥ Range

FST600-	Company code + product series code				
	405-	Product model code			
		1-	$\pm 2\%$ or $\pm 2^{\circ}\text{C}$		Accuracy
			2-	4-20mA 10-30VDC	
			4-	RS485 5-30VDC	
				2-	Electrical connections

Hunan Firstrate Sensor Co.,Ltd

A: Building 1, Zhiting Garden, Zhenhua Road, Intelligent Manufacturing Industrial Park, Yuhua Economic Development Zone, Changsha City, Hunan Province, China

T : +86-731-86171990

E : sales@firstratesensor.com

W : www.firstratesensor.com



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