

Online Infrared Temperature Sensor

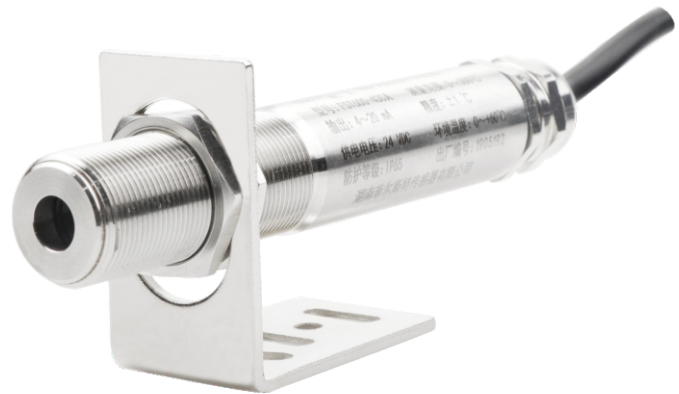
Product model: FST600-400A

Firstrate
菲尔斯特

FST600-400A on-line infrared temperature sensor is a device that uses infrared to measure temperature. It can calculate the surface temperature of an object by measuring the intensity of infrared radiation emitted by the target without touching the target. Products are widely used in power equipment, metallurgy, construction industry, chemical products and chemical industry and its automation control and detection systems.

Features

- ✓ Compact structure, easy to install
- ✓ Infrared measurement, no need to touch the measured object
- ✓ Can meet various working conditions, 4~20mA, RS485 output
- ✓ Stable output and fast response
- ✓ Safe to use and long life



Scope of application

- ◇ Power equipment, medical field
- ◇ Food construction industry, chemical products and chemical industry
- ◇ Temperature monitoring in process and production areas
- ◇ Metallurgy, petrochemical, electric power, light industry, textile industry, food industry, national defense and scientific research

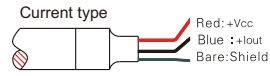
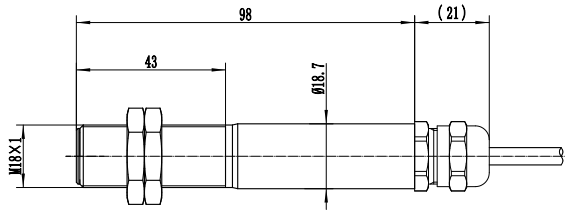
Technical Parameters

Measuring range	0~100°C, 200°C,300°C,400°C,500°C,600°C,700°C,800°C,900°C,1000°C,1200°C		
Temperature measurement accuracy	±2% of measured value or ±2°C, whichever is greater	Repeatability	±1% of measured value or ±1°C, whichever is greater
Signal output	4~20mA, RS485	Supply voltage	10~30VDC, 5~30VDC(RS485)
Optical resolution	20:1	Firing rate	0.95
Response time	300 ms	Response wavelength	8-14um
Ambient temperature	0~60°C	Storage temperature	-40~85°C
Relative humidity	10~95% (no condensation)	Outer shell	304 stainless steel
Size	119mm×φ18.7mm (length * diameter)		
Electrical connections	Direct out	Protection level	IP65

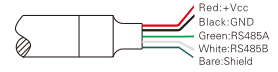
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Product size and wiring method



4~20mA	1	+Vcc	Red
	2	+Iout	Blue
	⌀		Shield



RS485	1	+Vcc	Red
	2	GND	Black
	3	Green	RS485A
	4	White	RS485B
⌀	Bare	Shield	

Direct lead