厦门贯宇电子科技有限公司
Xiamen Kuan Yi Electronic Technology CO.,Ltd.

Point Matrix Infrared Temperature Measurement Sensor TS-400B

Product Features:

Contactless measured object
16*4 dot matrix methods
4-20mA, RS485 output
Using infrared to measure temperature
Measuring range -20~300℃
Safe to use and long life

Applications:

Metallurgy, Medical field Food industry, Petrochemical, Electric power, Chemical industry, Light industry, Textile industry, Construction industry, National defense, Scientific research

Product Description

The TS-400B **infrared temperature sensor** measures infrared radiation energy through infrared detectors (thermal detectors and photoelectric detectors) and converts it into electrical signals, and then converts it into temperature according to the basic law of radiation. It is mainly composed of optical system, photoelectric detection device, signal amplifier, and signal processing.

Features

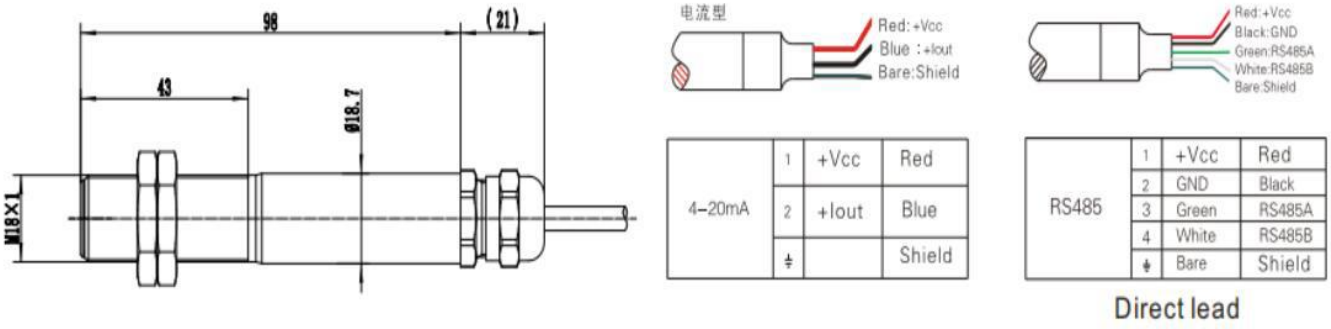
No need to touch the target under test
No need to touch the target to be tested;
It is convenient to measure targets that are difficult to approach or move;
Fast response and high precision;
It can meet the requirements of various working conditions.

Technical Parameters

Measuring range	-20~300℃
Accuracy	Measurement value of ± 1%± 3%
Signal output	RS485
Duplicate accuracy	The measuring value ± 1%or ± 1 ℃ the high value
Power supply voltage	5~30VDC

Pixel	16x4 pixel infrared array
Vision	60 ×16　(standard), 40×10 ,120×25
Response time	500 ms
Response wavelength	8-14um
Ambient temperature	-20~80℃
Storage temperature	-40~85℃
Relative humidity	10 ~ 95%(not exposed)
Shell	-40~85℃
Size	119mm x 18.7mm (length*diameter)
Electrical connections	Go out directly
Protection level	IP65

External Structure



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