

Compact Online Infrared Temperature Sensor TS-405



Product Features:

Contactless measured object
Safe to use and long life
4-20mA, RS485 output
Using infrared to measure temperature
0~100°C, 0~200°C, 0~300°C 400°C TO 1200°C

Applications:

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

Product Description

TS-405 infrared temperature sensor uses infrared to measure the temperature. It can calculate the surface temperature of the object through the infrared radiation intensity emitted by the target without contacting the target. TS-405 infrared temperature sensor is the biggest advantage of the infrared temperature sensor. There is no friction when using it. Users can easily measure inaccessible or moving targets, and the output data of the product is intuitive, true and reliable. The Firstrate Intelligent Infrared Temperature Transmitter can be debugged through the software on-site.

Features

Infrared measurement, no need to touch the measured object;
Real-time, remote measurement, intuitive temperature measurement advantages;
It can meet the needs of various working conditions;
Strong and durable stainless steel shell;
Safe to use and long service life;
The installation is simple, and a variety of temperature measurement ranges are optional.

Technical Parameters

Measuring range	0~100℃,200℃,300℃,400℃,500℃,600℃,700℃,800℃,900℃,1000℃,1200℃
Temperature measurement accuracy	±2% of the measured value or ±2℃, whichever is greater
Repeat accuracy	±1% of measured value or ±1℃, 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℃
Storage temperature	-40~85℃
Relative humidity	10~95% (no condensation)
Outer shell	Aluminum alloy
Size	43mm×φ40mm (length * diameter)
Electrical connections	Direct out
Protection level	IP65