TP2360V1 Infrared Temperature Sensor

(-70 to 280°C, 0 to 1800°C, Accuracy ±0.2°C)

Key Features

- ±0.2°C high accuracy
- Support self-adjustable emissivity
- Fast response, strong anti-interference
- Small and portable, safe and reliable
- Remote monitoring on PC and mobile phone
- Can be used with data acquisition to meet various needs

Overview

Toprie TP2360V1 Infrared Temperature Sensor supports a variety of signal outputs, can quickly respond to temperature data, has high temperature measurement accuracy and stable performance. The sensor can self-adjust the emissivity. With intelligent acquisition equipment, wireless remote transmission and remote temperature control can be achieved.

TP2360V1 sensor can be used in electronic components, power distribution cabinets, steel and aluminum, forging, quenching, heat treatment, metallurgy, machinery, wire, semiconductor, coal, coking, glass and other fields.

Technical Specifications

Model	**TP2360V1**
Range	-70 to 280°C, or 0 to 1800°C
Resolution	0.02°C
Accuracy	±0.2°C
Output Signal	RS485 / 4-20mA / 0-5V / 0-10V / 1-wire Bus
Object Distance Ratio	11.6 : 1
Perspective	5°
Emissivity	0 - 1 adjustable (1 default)
Measurement Accuracy	see the below distribution table for details

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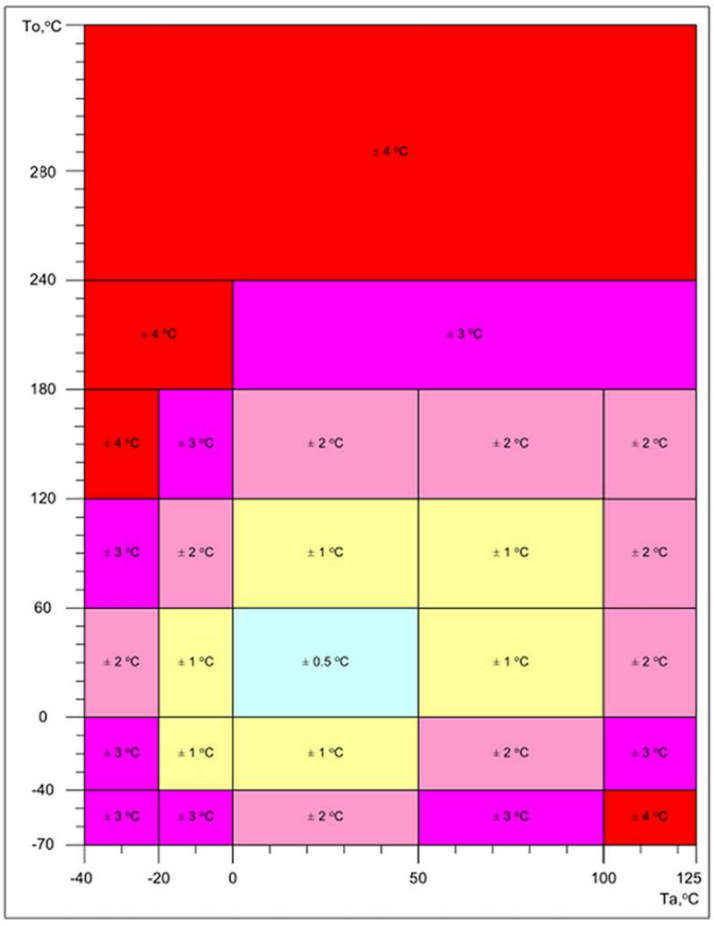
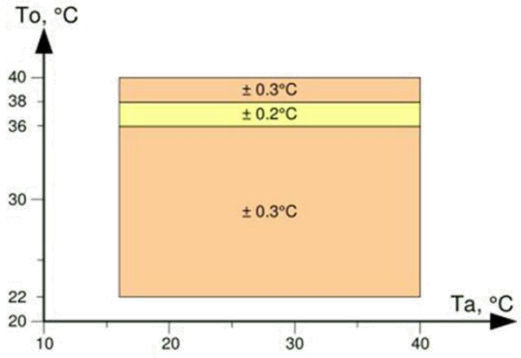
Infrared Band	5.5 - 14 μm
Data Response Time	< 200ms
Operation Voltage	RS485 output: DC24V supply, 4-20mA output: DC12V supply
Operation Current	< 15mA
Operation Environment	-40°C to +70°C, 0 - 90% RH (non-condensing)
Storage Environment	-40°C to +85°C, 0 - 95% RH (non-condensing)
Dimension	112 × 19.5 mm
Weight	65g

Temperature Measurement Accuracy Distribution Table





Ta: temperature of probe

To: temperature of measured object

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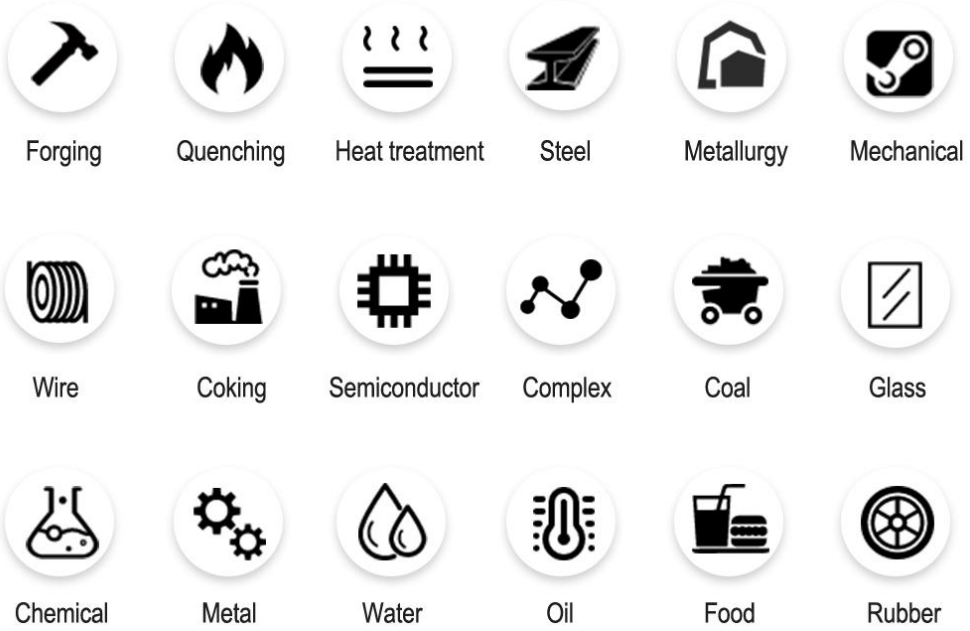
Multiple Matched to Meet Various Needs

Applications