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Portable Infrared Thermometer TRL60

Overview

The TRL60 portable infrared thermometer is developed by Rod Weige for the metallurgical casting industry. This product uses a 0.9-1.7um metallurgical shortwave infrared sensor and an 80:1 ultra long range object distance ratio to quickly and stably measure liquid metals such as molten steel, iron, copper water, and aluminum water.

Function Characteristics

Wide temperature range: 200 to 2600 ° C
 Suitable for high-temperature liquid metals such as copper water, molten iron, steel, etc
 0.9~1.7um gold coated infrared sensor
 Spectral response 150ms high-speed temperature measurement
 One click lock scanning mode
 RS232 data interface for real-time online temperature measurement
 Measurement of temperature inside a vacuum heating furnace using wearable glass
 Measure effective distance far, object distance ratio D: S=80:1

Application

- Power equipment monitoring: motor system, pumps and compressors;
- Electrical equipment monitoring: distribution system, transformer and distribution equipment;
- Monitoring of transmission and conveying equipment: gearboxes/reducers, conveyor belt systems;
- Metal processing industry: hot processing stage, cold processing auxiliary;
- Chemical and petrochemical industries: reactor/tower monitoring, heating/cooling systems;
- Building materials and ceramics industry: glass production, cement/ceramic production.

Product Model

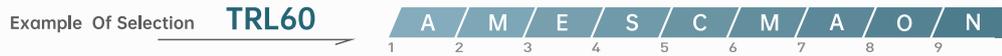
Product Model	TRL70
Product Image	
Temperature Measurement Range	200~1800°C、200~2150°C、200~2600°C
Temperature Measurement Accuracy	± 1.5 °C or ± 1.5 °C
Object Distance Ratio	80:1
Emissivity	0.1~1.00 continuously adjustable
Resolution	1°C
Repetitiveness	± 1% or ± 0.5 °C
Response Time And Wavelength	150ms&(0.9-17)um
Power Supply	9-volt alkaline battery
Instrument Function	Data storage, °C/°F unit conversion, RS232 data transmission, computer online real-time measurement, high and low temperature alarm setting Average measurement, maximum/minimum measurement, laser positioning function, backlight display function



Product Detail Diagram



TRL60- Selection Composition



1. Temperature Measurement Range	A	200~1800°C
	B	200~2150°C
	C	200~2600°C
	T()	Other ranges
2. Accuracy	M	±1.5% or±1.5°C
	T()	其他精度
3. Object Distance Ratio	E	80:1
4. Response Time And Wavelength	S	150ms&(0.9-17)um
5. Resolution	C	1°C
6. Emissivity	M	0.1-1.0 continuously adjustable
7. Output Signal	A	RS232
	T()	Other output signals
8. Power Supply	O	9V alkaline battery
9. Accessories	N	Portable handheld toolbox (including data cable and battery)

Explanation:

TRL60 portable infrared thermometer with temperature range of 200-1800 °C, accuracy of ± 1.5% or ± 1.5 °C, object to distance ratio of 80:1, response time of 150ms, wavelength of (0.9-17) μm, continuously adjustable emissivity of 0.1-1.0, output signal RS232, power supply of 9V alkaline battery, equipped with portable portable toolbox (including data cable and battery).

Product Certification

Compliance and approval; The Ludwig water quality analyzer meets key standards and certifications for process measurement technology; To ensure the highest reliability in such settings;