

Infrared Thermometer with Temperature Controller

Fixed Infrared Thermometer uses non-contact surface measurements to monitor the temperature of the process application. This type of IR thermometer is permanently installed. While available in a variety of styles, common specifications and features include emissivity, distance-to-point ratio and spectral range.



Features:

- | High Resolution
- | Fast Response
- | RS485 Modbus Protocol Communication
- | Rugged IP65 Stainless Steel Housing
- | Standard 2Meters Cable



Infrared Thermometer Specification:

Temperature	0°C ~ 500°C (32°F to 932°F)
Accuracy	±1% of reading or ±1.5°C, whichever is Greater
Relative Humidity	10% to 95%, non-condensing
Analog Output	4 ~ 20mA
Response Time	150 ms
Storage Temperature	-20°C to 85°C
Repeatability	±0.5% of reading or ±0.5°C, whichever is Greater
Ambient Temperature	0°C to 70°C
Spectral Response	8 ~ 14 μm
Optics	15 : 1
Cable Length	2 m, Options ; 5 m or 10 m
Power Supply	24 VDC ± 20%

Temperature Controller Specifications:

Manufacturer	Ace Instruments
Model	AI-01C
Display	4 Digit Red LED Display , 0.56" High , 7 Segment
Accuracy	+/- 0.1 Deg. C +/- 1 count
Resolution	Fixed 0.1 for Temperature
Input	Sensor : Front key selectable between RTD Pt-100, J Type TC, K Type TC, 4-20mA
Power Supply	230 VAC , 50 Hz. +/-10%
Enclosure	ABS Plastic Body Panel Mounted Type
Relay Output	2 Relay Outputs (2 Sets of NO/CO/NC), 5 Amps(Max. curr. rating)
Retransmission	Optional Retransmission of 4-20mA
Warranty	1 Year Manufacturing Warranty
Calibration	Provided alongwith and valid for 1 year, traceable to National Standards.
Dimension	96 X 96 mm
Weight	950 Grams Approx



Ace-AI-01C
Temperature Controller



Escalator



Mining



Ace Instruments TB-1000-40 M SF A2
Fixed Infrared Thermometer



Pharmaceuticals



Automobiles

Temp | Humidity | Pressure | Differential Pressure | Vacuum | Gases | Particle | Air Flow
Moisture | Dissolved Oxygen | Radiation | Air Quality | Light / Lux | Distance | Vibration

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