

THERMOMETER

AT-205

*Miniature Size



TC Measuring Range

Sensor	Code	Measuring Range	Resolution	Accuracy (23°C±5°C)
K	KC	0°C~+1000°C	1°C	±0.8% F.S.
	KF	+32°F~+1832°F	1°F	±0.8% F.S.
J	JC	0°C~+400°C	1°C	±0.8% F.S.
	JF	+32°F~+752°F	1°F	±0.8% F.S.

RTD Measuring Range

Sensor	Code	Measuring Range	Resolution	Accuracy (23°C±5°C)
PT-100Ω	PA	-100.0°C~+199.9°C	0.1°C	±0.2% F.S.
	PJ	-200°C~+600°C	1°C	±0.4% F.S.
	PF	-328°F~+1112°F	1°F	±0.4% F.S.

Specifications

Input Configuration: Single Ended
Conversion: 2.5/sec
Normal Mode Rejection: 40dB (Typ.)
Display: LED, 8mm 3 1/2 digit
Polarity: A "-" displayed automatically
Power Supply: DC5V ±5% 90mA
 DC12V ±20% 40mA
 DC24V ±20% 20mA
Operating Temperature: 0~50°C, 35 to 85%RH
Dimensions: 24(H) × 48(W) × 66(D)mm DIN Size
Weight: Approx. 51g
Dielectric Strength: Between Input (A, B, COM) and 0V terminal, DC500V
Insulation Resistance: DC500V 100MΩ at above terminals

TC Measurement Section

Sensor: K or J
Temperature Display: °C or °F
Resolution: 1°C or 1°F
External Lead Resistance: Less than 100Ω
Cold Junction Compensator Accuracy: ±2°C (10°C~40°C)
Burn-out Alarm: -1999 Flashing
Excessive Input: DC ±5V

RTD Measurement Section

Sensor: PT-100Ω
Current for Resistance: 1mA (Typ.)
Temperature Display: °C or °F
Resolution: 0.1°C or 1°C, 1°F
External Lead Resistance: Less than 1Ω/lead
Linearizing Method: Analog Linearizing

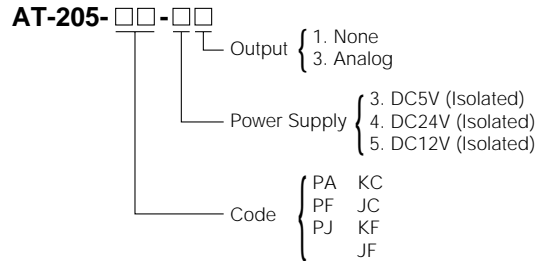
Analog Output Section

Voltage: 1mV/°C or 1mV/°F, 10mV/°C for PA
Accuracy: ±2% F.S. (23°C ±5°C)
External Lead Resistance: More than 20kΩ

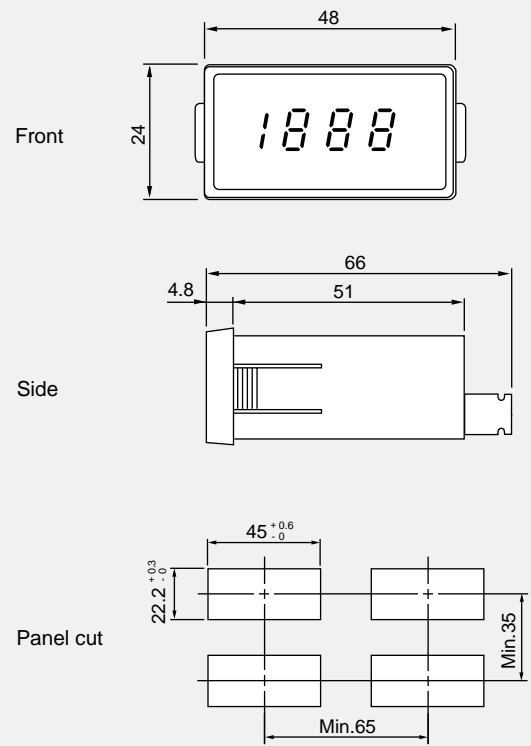
Features

- Small Size
- Power Supply DC5V, DC12V, DC24V
- Sensor Types K, J, and PT-100Ω
- Analog Output (option)
- Screw Terminal
- Bright LED, 8mm (Red)

Ordering Code



Dimensions



Panel thickness 0.8 to 3.5mm

Connection Diagram

