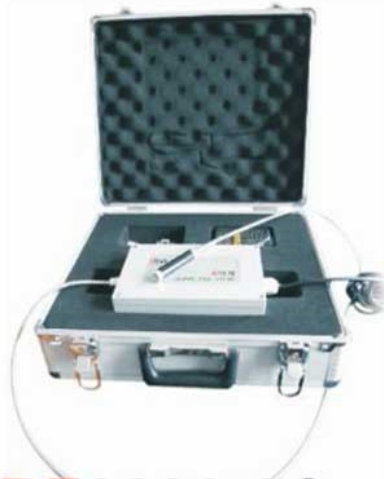


IRF10-FB/IRF20-FB

Optical Fiber Online IR Thermometer

IRF10-FB/IRF20-FB is an optical fiber infrared thermometer. It is an infrared thermometer with fiber optics technology applied to the sensor head and signal transmission using fiber optical cable extended to 2 meters away from the electronic box or signal processing box. Therefore the following can be achieved : better signal to noise ratio; less interference; easier installation; additional cooling not required as sensor head can withstand ambient temperature up to 200°C and signal processing box can be mounted away from the heat source; low energy consumption and dissipation; compatible price.



Specifications

Measurement range	: IRF10-FB : 700 ~ 1800°C (1292 ~ 3272°F) IRF20-FB : 1000 ~ 2500°C (1832 ~ 4532°F)
Distance to spot ratio	: 20:1
Accuracy	: upper limit of measuring range ±1%
Resolution	: 1°C
Emissivity	: 0.2 ~ 1.00 (adjustable)
Response time	: <200ms
Spectral response	: 1.6µm (IRF10-FB), 1.0µm (IRF20-FB)
Output	: Analog current 4~20mA (load resistance ≤250Ω) Analog voltage 0~5V (load current ≥3mA) Digital interface (2 wire half duplex RS185)
Length of optical cable	: 2m
Length of cable	: 3m
Ambient	: Control box (0 ~ 50°C, relative humidity ≤85%) Detector head (≤200°C)
Power	: 12VDC/300mA

IRF2000-2C

Two Color Online Hi Temperature IR Thermometer



Specifications

Measurement range	: 800 ~ 2000°C (1472 ~ 3632°F)
Distance to spot ratio	: 150:1
Accuracy	: 1% FS
Resolution	: 1°C
Emissivity	: 0.2 ~ 1.00 (adjustable)
Spectral response	: 0.85 ~ 1.1µm and 0.95 ~ 1.1µm
Output	: Analog (4 ~ 20mA) Digital (2 wire half duplex RS485)
Max. allowed ambient temp.	: 0 ~ 50°C (32 ~ 122°F)
Power	: 12VDC/300mA

IRF400

Online Infrared Thermometer



Specifications

Measurement range	: 0 ~ 400°C (32 ~ 752°F)
Distance to spot ratio	: 12 : 1
Accuracy	: 2.0% of temperature reading 2.0°C / 3.6°F whichever is greater
Repeatability	: 1% of measured value 1°C / 1.8°F whichever is greater
Emissivity	: 0.95 (fixed)
Response time	: 300ms
Spectral response	: 8 ~ 14µm
Loop distance	: Max. 700Ω @ 24VDC; min. 100Ω recommended Max. 150Ω @ 12VDC; min. 100Ω recommended
Analog output	: 4 ~ 20mA ; linear to temperature 0.04mA/°C
Ambient temperature	: 0 ~ 70°C (32 ~ 158°F)
Storage temperature	: -30 ~ 85°C (-22 ~ 185°F)
Connection cable	: 1 m length , PVC
Power	: Isolated power 24V DC (12VDC~24VDC) @20mA
Dimensions/weight	: L=91mm x Ø=22mm / 158g