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Name: _____
Company: _____
Street: _____
City: _____ State: _____ Zip: _____
Phone: (____) _____ Fax: (____) _____
E-mail Address: _____
This is a: Request for Quote Order: PO# _____
Quantity Needed: _____ Date Required: ____/____/____
Shipping Method: _____ Partials Accepted: Yes No



Infrared Thermometry Application Datasheet

Environment: Industrial Non-Hostile Laboratory
Describe immediate surroundings (e.g., Workshop at normal ambient temperature with tungsten filament fluorescent lighting, or interior wall of furnace chamber at 1000°C) _____

Material to be Measured: _____

Surface Conditions: Shiny Dull
 Light Oxide Heavy Oxide

Line Speed: _____

Target Conditions: Minimum Normal Maximum Units
Temperature _____ °C °F

Does target temperature change rapidly? Yes No
If so, what is maximum rate of change? (°F/C over time.) _____

Critical Temperature: _____ °C °F

Target Area: Available Preferred
Size _____ mm Diam.

Target Distance: Minimum Preferred Maximum Units
To Sensor _____ In. Ft.

Ambient Temperature at Sensor: _____ °C °F

Is target transparent? Yes No
If so, what is temperature/nature of background? (e.g., shiny metal, 300°F or cold, rough metal) _____

Is there an access port or window to aim through? Yes No

Window Diameter: _____ Sight Tube Length: _____

Window Material: _____

Speed of Response Desired: _____

Desired Mounting Location for Sensor/Scanner (include potential space limitations): _____

Please attach a sketch of the application, including dimensions, target and sensor locations. Note all obstructions or restrictions that may affect measurement..

Size/extent/position of any restrictions in relation to target surface and thermometer: _____

In Furnace/Oven Measurement? Yes No

Furnace/Oven Type: Continuous (Select: Vertical/Horizontal)
 Batch Mesh Vacuum Atmosphere

Heating Type: Electric Direct Indirect
 Gas Direct Indirect
 Oil Direct Indirect
 Induction Direct Indirect

Measurement System Required (Check One)
 Fixed Thermometer Portable Thermometer
 Fixed Thermal Imager Portable Thermal Imager
 Linescanner

Instrumentation Requirements:
Display Required: None Digital Readout
 Bargraph Analog (Chart)
Alarms Required: None High and Low
 High Low
Signal Conditioning: Averaging Peak Picking
Output Signal Desired: mA Serial
 Other _____
Communication: RS232 RS485
 Fieldbus (Information only)
Processor Mounting Panel DIN Rail

Customer Type (Check One)
 Primary Metals Rolling Mill Foundry
 Extruder Heat Treater Forging
 OEM System Integrator Consultant
 Rep/Distributor Export Other

Industry (Check One)
 Aerospace Aluminum Paper Other
 Automotive Iron Medicinal Pharmaceutical
 Appliances Steel Maintenance Semiconductor
 Architecture Plastic Textiles Other Non-Ferrous