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INSTRUMENTS • VALVES • CONTROLS

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Contact: _____ Ext. _____

Name: _____

Company: _____

Street: _____

City: _____ State: _____ Zip: _____

E-mail Address: _____

Phone: (____) _____ Fax: (____) _____

This is a: Request for Quote Order: PO# _____

Quantity Needed: _____ Date Required: ____/____/____

Shipping Method: _____ Partials Accepted: Yes No



Infrared Thermometry Application Datasheet

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

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)

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

Material to be Measured: _____

In Furnace/Oven Measurement? Yes No

Surface Conditions: Shiny Dull
 Light Oxide Heavy Oxide

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

Line Speed: _____

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

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

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

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

Critical Temperature: _____ °C °F

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

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: _____

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

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

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