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V11.2013

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

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