Lesman
www.lesman.com
Instruments • Valves • Controls

Chicago Area Office
135 Bernice Dr, Bensenville IL 60106
Ph: 800-953-7626 • 630-595-8400
Fax: 630-595-2386

Milwaukee Area Office
5160 N 125th St, Butler WI 53007
Ph: 800-837-1700 • 262-923-1790
Fax: 262-923-1797

E-mail: sales@lesman.com

Contact: _____ Ext. _____

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V11.2013

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

AMETEK LAND

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: _____

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):

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