Lesman
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Instruments • Valves • Controls

Name: _____

Company: _____

City: _____ State: _____

When do you need a quote? _____

When do you need the equipment on site? _____

When will you place the order? _____

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℃) _____

_____

_____

_____

Material to be Measured: _____

Surface Conditions: ☐ Shiny ☐ Dull
☐ Light Oxide ☐ Heavy Oxide

Line Speed: _____

Target Conditions: Temperature	Minimum	Normal	Maximum	Units
	_____	_____	_____	☐ ℃ ☐ ℉

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

Critical Temperature: _____ ☐ ℃ ☐ ℉

Target Area: Size	Available	Preferred	
	_____	_____	mm Diam.

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

Ambient Temperature at Sensor:_____ ☐ ℃ ☐ ℉

Is target transparent? ☐ Yes ☐ No
If so, what is temperature/nature of background? (e.g., shiny metal, 300℉ 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): _____

_____

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