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# Rugged, Compact, Accurate. **High Temperature Spot Thermometers**

The Land IQ series are compact, rugged, industrial thermometers designed to meet the needs of high temperature process control applications.

IQ series thermometers feature an all metal design with integrated water cooling, air purge and screw terminal connections to facilitiate simple and cost effective operation.

Thermometers can be configured using any permutation of four wavelengths, four feature levels and four focus distances to suit your requirements.

#### Accessories

- **Tripod Mount**
- Dual & Single Axis mounting brackets
- Power Supply
- **Digital Indicator**
- PC Setup Software (free issue with Enhanced and Premium versions only)

#### Features & Benefits

- 4 temperature/wavelength variants -Configurable to suit your application
- Rugged all metal design Suitable for harsh industrial environments
- Integrated air purge and water-cooling -Protects instrument under all conditions
- Plug and Play four wire operation Zero configuration
- Advanced signal processing Simplifies complex process control applications
- Peer-to-peer & multidrop RS485 digital interface - Digital process control
- 2 x Alarm Relays Protect your plant and instrument
- Compact Size Ideal for constrained measurement positions
- Simple screw terminal connection -Simplifies installation. Use existing wiring.



**Non-Contact Temperature** 

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Applies in the USA



George R. Peters Associates SALES REPR 650 E. Big Beaver • Suite C • Troy, MI 48083

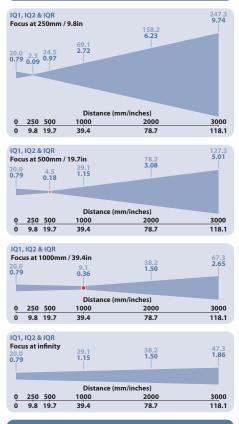
#### **Specifications**

Model Range	IQ1	IQ2	IQ5	IQR		
Temperature Range	1022 to 3182°F 550 to 1750°C	482 to 2372°F 250 to 1300°C	82 to 2372°F 392 to 2012°F			
Spectral Response	1µm	1.6µm	5µm	1µm Ratio		
Field of View (90%)	110:1	110:1	60:1	110:1		
Response Time	10ms	10ms	50ms	10ms		
Accuracy	0.3%+1°C	2°C	0.35%+1°C	0.6%+1.5°C		
Sighting	Laser defining Optical Axis (Option)					
Ambient Limit	32 to 158°F (Operating)					
EMC	EN 61326					
Sealing	IP65 / NEMA 4X					
Power Supply	18 to 30Vdc					

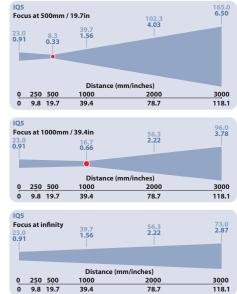
### **Ordering Information**

IQ	1	S 500								
Wavelength M			odel Focus Distance			tance				
Name	1	1.0µm	В	B Basic			250 250		ım / 10in	
	2	1.6µm	S	S Standard			500		500mm / 20in	
Series	5	5.0µm	E	E Enhanced			1000	1000mm / 40in		
Ň	R	1µm Ratio	Ρ	P Premium		I	nfinity	In	Infinity	
Feature				В	S		Е	Р		
Rugged All Metal Design (IP65)				•	•		•	•		
Integrated Air Purge And Water Cooling			•	•		•	•			
Simple Screw Terminal Connection				•	•		•	•		
Emissivity Compensated 4-20Ma Output			put	•	•		•	•		
Adjustable Emissivity (0.1 To 1.0)			•	•		•	•			
Factory Selectable Focus			•	•		•	•			
Laser Alignment				•		•	•			
Peer-To-Peer & Multidrop RS485 Digital Interface						•	•			
Advanced Signal Processing						•	•			
2 x Alarm Relays							•	•		

## IQ1, IQ2, IQR FOV



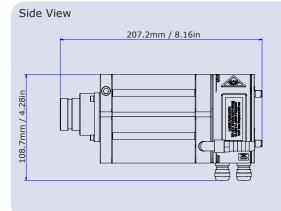


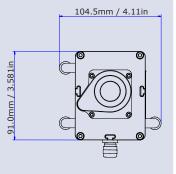


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Front View

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User Selectable Focus

Continuous product development may make it necessary to change these details without notice.