

SERIES IQ

High-temperature spot thermometers

LAND's high-precision IQ series of rugged, accurate infrared thermometers is designed for use in an extensive range of industrial process temperatures.

Easy to install, flexible to use, IQ makes it simple to customise the perfect measurement to your application: a range of options are available which allow you to choose the temperature range and wavelength best suited to your application.

With a highly accurate measurement provided by LAND's high-precision infrared technologies, IQ versions are configured via PC running the easy to use IQ configurator software, with optional signal-processing available for demanding applications.

IQ is suitable for a wide range of high-temperature applications in industries including glass, minerals and steel.

Four wavelength options, including a ratio measurement, are available so you can choose the model best suited to your application and temperature range.

With a rugged, all-metal construction and scratch-resistant sapphire protection window, the IQ is designed to survive in harsh environments, while its integrated air purge and water-cooling system ensures it is protected in all conditions.

The IQ series is plug and play. Simple screw terminal connections make installation straightforward, in many cases using existing wiring. Its compact size makes the thermometer easy to install in tight locations.

LAND's compact IQ series is the flexible choice for high-temperature industrial measurements.



FEATURES & BENEFITS

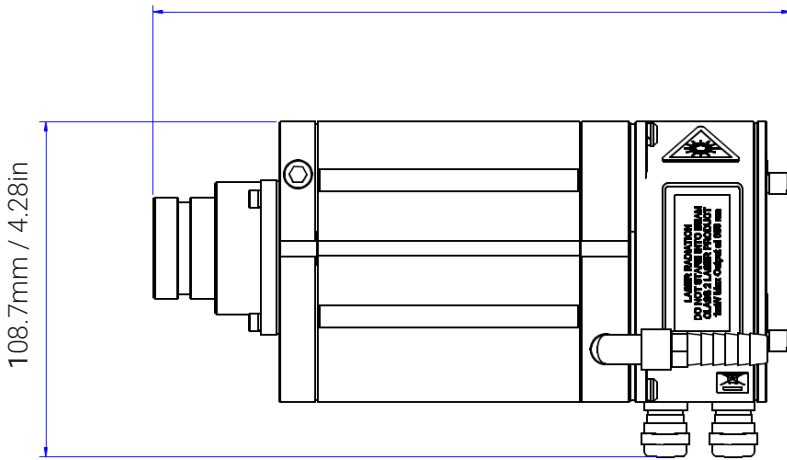
- **Make the measurement you need** IQ thermometers are available in four wavelengths, including a ratio model, so you can be sure the device is ideally suited to your application requirements.
- **Adjustable emissivity** Measure a wide variety of materials
- **Configuration software** Easily set emissivity, alarms and output range
- **Easy installation** The IQ series is plug and play, with minimal configuration required. Simple screw terminal connections make installation straightforward, in many cases using existing wiring. Its compact size makes the thermometer easy to install in tight locations
- **Tough in difficult environments** With a rugged, all-metal construction and scratch-resistant sapphire protection window, the IQ is designed to operate reliably in harsh environments, while its integrated air purge and water cooling system ensures it is protected in all conditions.
- **Air purge** Protects sensitive optics
- **Water cooling jacket as standard** Extended ambient temperature range
- **Laser alignment** Easy to align on target

See degrees differently.

SPECIFICATIONS

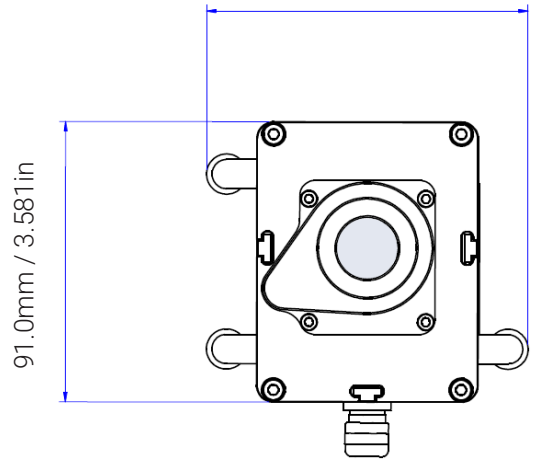
SIDE VIEW

207.2mm / 8.16in



FRONT VIEW

104.5mm / 4.11in



Model Range	IQ1	IQ2	IQ5	IQR
Temperature Range:	550 to 1750 °C 1022 to 3182 °F	250 to 1300 °C 482 to 2372 °F	200 to 1100 °C 392 to 2012 °F	700 to 1750 °C 1292 to 3182 °F
Field of View:	1 µm	1.6 µm	5 µm	1 µm Ratio
Detector Type:	110:1	110:1	60:1	110:1
Display:	10 ms	10 ms	50 ms	10 ms
Settings:	0.3%+1 °C	2 °C	0.35%+1 °C	0.6%+1.5 °C
Sighting:	Laser defining Optical Axis			
Focus Range:	0 to 70 °C / 32 to 158 °F (Operating)			
Repeatability:	EN 61326			
Mounting:	IP65 / NEMA 4X			
Measurement Accuracy:	18 to 30 Vdc			



CONTACT US

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