

## TEMPERATURE CERTIFICATION AND SERVICE CENTRES



AMETEK LAND HAS BEEN MANUFACTURING PRECISION MEASURING EQUIPMENT SINCE 1947. WE ARE SPECIALISTS IN NON-CONTACT TEMPERATURE MEASUREMENT AND COMBUSTION MONITORING WITH APPLICATIONS ACROSS DIVERSE INDUSTRIES SUCH AS STEEL AND GLASS MAKING, POWER GENERATION AND CEMENT MANUFACTURE.

As part of AMETEK Process & Analytical Instruments Division since 2006, our customers benefit from the worldwide AMETEK sales and service team.

## WORLDWIDE CERTIFICATION AND SERVICE CENTRES FOR NON-CONTACT INFRARED TEMPERATURE MEASUREMENT SYSTEMS

AMECare® Certification offers an accredited best in class service to ensure you are obtaining the optimal operating performance from your temperature measurement systems, improving the accuracy of your measurement capability and meeting required national and international quality standards.

Our worldwide certification laboratories are each certified to the international standard ISO / IEC 17025:2017 (General requirements for the competence of testing and calibration laboratories) and by

national accreditation bodies to offer a comprehensive service for the certification of infrared thermometers, thermal imagers, scanners and blackbody sources.

Our certification service verifies the performance accuracy of your instrument at a given point in time by quantifying its errors and these are reported in a national accreditation certificate confirming it meets the requirements of ISO / IEC 17025:2017.

## KEY BENEFITS

- **Extensive temperature range for non-contact infrared thermometers and blackbody sources** –  $-10^{\circ}\text{C}$  to  $2500^{\circ}\text{C}$  ( $14^{\circ}\text{F}$  to  $4532^{\circ}\text{F}$ )\*
- **Certification for both AMETEK Land and other manufacturer's instrumentation\***
- **Specially manufactured standards** enable the accurate reporting of measurement uncertainties
- **Fully trained technicians** use approved and traceable certification equipment
- **All international laboratories certified** to ISO / IEC 17025:2017 with relevant national approvals

\*Note: Minimum and maximum temperature range and instrumentation coverage may vary by laboratory.

## WHY CERTIFY?

### Improved Measurement Capability

Quantifying your instrument's temperature measurement errors, allows you to apply these errors as compensation to improve your practical measurement uncertainty.

### Continued Compliance

Routinely performing traceable certification confirms compliance of your instrument, giving an improved insight into your instrument's long-term performance, aiding process stability, leading to improved quality and minimising expense.

### Traceability to National and International Standards

For measurements to be interchangeable, they must relate to a common standard. For temperature measurement that is ITS-90 - The International Temperature Scale of 1990 and traceability refers to a chain of measurements linking an instrument's performance to ITS-90. Certification under the ISO / IEC 17025:2017 standard assures the user that their instrument's certification is traceable, giving continued confidence in interchange of measurement.

# TEMPERATURE CERTIFICATION AND SERVICE CENTRES

## OUR CERTIFIED LABORATORIES

All our laboratory facilities are accredited against the ISO / IEC 17025:2017 standard as approved by national accreditation bodies to evaluate our technical competence, impartiality and performance.

National Accreditation			Certification Service Coverage		
			AMETEK Land Instrumentation		Other Manufacturer's Instrumentation
			Infrared Pyrometers, Thermometers, Thermal Imagers and Scanners	Blackbody Sources	
 0034	 CERTIFICATE NUMBER: 120272	United Kingdom	UKAS (United Kingdom Accreditation Service)**	✓ -10 °C to 2500 °C 14 °F to 4532 °F	✓ -10 °C to 1600 °C 14 °F to 2912 °F
 REGISTERED ISO 9001 MANAGEMENT SYSTEM	United States	ANAB (ANSI National Accreditation Board)	✓ 0 °C to 2300 °C 32 °F to 4172 °F	✓ -10 °C to 1600 °C 32 °F to 2912 °F	✓
 Certificate No. C2041	India	NABL (National Accreditation Board for Testing and Calibration Laboratories)	✓ 0 °C to 1600 °C 32 °F to 2912 °F	✗	✓

\*\*Note: With agreements through the European Cooperation for Accreditation (EA), International Laboratory Accreditation Cooperation (ILCA) and International Accreditation Forum (IAF) - UKAS has recognition in over 90 countries worldwide.

## ADDITIONAL SERVICES

Our certification team can offer additional support services to ensure you are maintaining the accuracy of your temperature measurements.

### TRACEABILITY

Determining what is the best method of obtaining traceability for your temperature measuring instrumentation - establishing your own certification laboratory, having an independent engineer carry out regular on-site services/checks or returning your instruments to us for certification.

### EMISSIVITY DETERMINATION

Determining the emissivity of the measured surface – purchasing the required equipment or having us measure this vital parameter.

### RE-CERTIFICATION REMINDER SERVICE

Remembering certification dates for all instrumentation. Many quality standards of process instrumentation specify the frequency of certification for sub-contractor's instruments – our certification reminder service provides you with a written reminder when any item of temperature measuring equipment is due for certification.

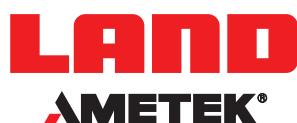
### SERVICE CONTRACTS

Optimising performance and maximising uptime – Our AMECare® Service Contracts are specifically designed to ensure your instruments are professionally maintained and calibrated to operate at peak factory performance levels throughout their lifetime. View contracts available at [www.ametek-land.com/services/servicecontracts](http://www.ametek-land.com/services/servicecontracts)

## SERVICING AND MAINTENANCE

To calibrate based on certification errors and maintain instrumentation in optimal working order, we also offer additional services ranging from calibration, servicing, preventative maintenance and repairs (where appropriate), which can take place on-site or at our international service centres.

All services are performed by fully trained engineers using approved, traceable equipment. A fast turnaround can be provided to coincide with plant shut downs and emergency breakdowns. All instruments serviced comply to our documented procedures against traceable international standards and are returned to the original manufacturing specification and supplied with a certificate of conformity.



### CONTACT US



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Certificate No. CC-2041  
APPLIES IN INDIA



Certificate No. 0034  
APPLIES IN THE UK



Certificate No. 0032  
APPLIES IN THE US

