CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

AMETEK Land, Inc.

150 Freeport Road
Pittsburgh, PA 15238

has been assessed by ANAB and meets the requirements of international standard

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

L1164-1
Certificate Number

ANAB Approval

Certificate Valid Through: 05/24/2020
Version No. 002 Issued: 03/27/2019

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

ANSI National Accreditation Board

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AMETEK Land, Inc.

150 Freeport Road
Pittsburgh, PA 15238
Theresa Churilla 412-826-4473

CALIBRATION

Valid to: **May 24, 2020** Certificate Number: **L1164-1**

Thermodynamic

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Non-Contact Infrared Temperature Measuring Equipment[1]	(0 to 99) °C (100 to 1 199) °C (1 200 to 1 499) °C	2.5 °C 3 °C 3.5 °C	Transportable Blackbody Sources λ = (0.55 to 3.9) µm λ = (1 to 5) µm λ = (8 to 14) µm Ɛ = 1.0
Non-Contact Infrared Temperature Measuring Equipment	(1 500 to 1 699) °C (1 700 to 1 899) °C (1 900 to 2 299) °C 2 300 °C	4 °C 7.5 °C 0.45 % of reading 0.5 % of reading	Blackbody Sources λ = (0.55 to 3.9) µm λ = (1 to 5) µm λ = (8 to 14) µm Ɛ = 1.0

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

1. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope.
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L1164-1.

Vice President