



# CERTIFICATE OF ACCREDITATION

## The ANSI National Accreditation Board

Hereby attests that

**ELPRO Services, Inc.**  
**2335 State Route 821**  
**Marietta, OH 45750-5362**

Fulfills the requirements of

**ISO/IEC 17025:2017**

In the field of

**CALIBRATION**

This certificate is valid only when accompanied by a current scope of accreditation document.  
The current scope of accreditation can be verified at [www.anab.org](http://www.anab.org).

Jason Stine, Vice President

Expiry Date: 18 April 2025  
Certificate Number: L2357



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).

## SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

**ELPRO Services, Inc.**  
2335 State Route 821  
Marietta, OH 45750-5362  
Mike Albertson 740-568-9900

### CALIBRATION

Valid to: **April 18, 2025**

Certificate Number: **L2357**

#### Chemical Quantities

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
CO <sub>2</sub> Sensors <sup>1</sup>	(0, 5, 10) % CO <sub>2</sub>	0.2 % CO <sub>2</sub>	Certified Gases

#### Electrical – DC/Low Frequency

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
RTD Resistance Simulation <sup>1</sup>	-196 °C	0.14 °C	Calibration Plugs
	-190 °C	0.14 °C	
	-90 °C	0.14 °C	
	-85 °C	0.14 °C	
	-40 °C	0.14 °C	
	-20 °C	0.14 °C	
	0 °C	0.14 °C	
	37 °C	0.14 °C	
	140 °C	0.14 °C	
	150 °C	0.14 °C	
200 °C	0.14 °C		
RTD Resistance Transmitters <sup>1</sup>	(4 to 20) mA	8 µA	Loop Calibrator

#### Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Differential Pressure <sup>1</sup>	(-0.5 to 0.5) inH <sub>2</sub> O (-124.54 to 124.54) Pa	0.003 8 inH <sub>2</sub> O 0.95 Pa	Differential Pressure Transducer

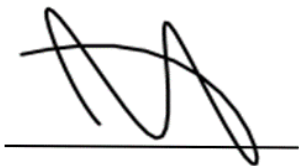
**Thermodynamic**

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Humidity Sensors (15 to 30) °C 12 & 15 mm external diameters	35 %RH 80 %RH	1.5 %RH	Calibration Salts
Humidity Sensors	(10 to 90) %RH (10 to 20) °C (>20 to 26) °C (>26 to 40) °C	2.65 %RH 1.75 %RH 2.35 %RH	Reference Hygrometer and Humidity Chamber
Temperature Sensors	(10 to 40) °C	0.44 °C	
Temperature Sensors	(-80 to 90) °C	0.14 °C	Reference PRT and Liquid Baths
Digital Thermometry Systems <sup>1</sup>	(-90 to 40) °C	0.8 °C	Reference PRT (Direct Comparison)
Temperature Sensors <sup>1</sup>	-78 °C	0.27 °C	Reference PRT and Dry Ice/Alcohol Bath
Temperature Sensors <sup>1</sup>	-196 °C	0.21 °C	Reference PRT and Liquid Nitrogen Bath (LN <sub>2</sub> )
Temperature Sensors <sup>1</sup>	(-90 to 150) °C	0.19 °C	Reference PRT and Dry Block Calibrator
Temperature Sensors <sup>1</sup>	0 °C	0.13 °C	Calibration in Ice Water with or without Reference PRT

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. L2357.



Jason Stine, Vice President