



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017  
& ANSI/NCSL Z540-1-1994

PROCESS SENSING TECHNOLOGIES CORP.  
DBA ROTRONIC INSTRUMENT  
135 Engineers Road, Suite 150  
Hauppauge, NY 11788  
Mr. Justin Stockell Phone: 631 546 9211

CALIBRATION

Valid To: December 31, 2025

Certificate Number: 5622.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1,5</sup>:

I. Mechanical

Parameter/Equipment	Range	CMC <sup>2,4</sup> (±)	Comments
Pressure Indicators and Gages –  Differential Pressure	(-250 to 250) Pa (-7500 to 7500) Pa	0.41 Pa 7.9 Pa	Pressure calibrator

II. Thermodynamics

Parameter/Equipment	Range	CMC <sup>2,3,4</sup> (±)	Comments
Relative Humidity – Measuring Equipment  Nominal 23 °C	(0.1 to 0.8) % RH (10.2 to 11.8) % RH (34 to 36) % RH (79 to 81) % RH	0.21 % RH 0.32 % RH 0.44 % RH 0.79 % RH	Fixed humidity tunnels, chilled mirror, transfer hygrometers, and thermistor probe with digital thermometer

Parameter/Equipment	Range	CMC <sup>2,3,4</sup> (±)	Comments
Relative Humidity – Measuring Equipment (cont)			
Selected Point Service	(4.5 to 5.5) % RH (5.5 to 10.5) % RH (10.5 to 15.5) % RH (15.5 to 26) % RH (26 to 36) % RH (36 to 64) % RH (64 to 66) % RH (66 to 81) % RH (81 to 89) % RH (89 to 94) % RH (94 to 96) % RH	0.12 % RH 0.15 % RH 0.17 % RH 0.33 % RH 0.39 % RH 0.45 % RH 0.50 % RH 0.55 % RH 0.58 % RH 0.65 % RH 0.74 % RH	HygroGen humidity generator, chilled mirror, thermistor probe with digital thermometer
Water Activity Meters	(0.045 to 0.055) aw (0.055 to 0.105) aw (0.105 to 0.155) aw (0.155 to 0.26) aw (0.26 to 0.36) aw (0.36 to 0.64) aw (0.64 to 0.66) aw (0.66 to 0.81) aw (0.81 to 0.89) aw (0.89 to 0.94) aw (0.94 to 0.96) aw	0.0012 aw 0.0015 aw 0.0017 aw 0.0033 aw 0.0039 aw 0.0045 aw 0.0050 aw 0.0055 aw 0.0058 aw 0.0065 aw 0.0074 aw	Humidity generator, chilled mirror, thermistor probe with digital thermometer
Temperature – Measuring Equipment	(9 to 21) °C (21 to 25) °C (25 to 46) °C  (-95 to 140) °C	0.09 °C 0.07 °C 0.09 °C  0.091 °C	Thermistor probe with digital thermometer  Drywell calibrator, PRT probe with digital thermometer

<sup>1</sup> This laboratory offers commercial calibration service.

<sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of  $k = 2$ . The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

<sup>3</sup> The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.

<sup>4</sup> Uncertainty components that can be reasonably attributed to the Unit Under Test have not been utilized in the calculation of the CMC value for this measurement parameter.

<sup>5</sup> This scope meets A2LA's *PI12 Flexible Scope Policy*.



## Accredited Laboratory

A2LA has accredited

# PROCESS SENSING TECHNOLOGIES CORP. DBA ROTRONIC INSTRUMENT

*Hauppauge, NY*

for technical competence in the field of

## Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of ANSI/NCSL Z540-1-1994 and R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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).



Presented this 11<sup>th</sup> day of December 2023.

A blue ink signature of Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 5622.01  
Valid to December 31, 2025

*For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.*