Accredited Laboratory

A2LA has accredited

XSENSOR TECHNOLOGY CORP

Calgary, Alberta, CANADA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009*).

Presented this 26th day of September 2016.

Senior Director of Quality and Communications
For the Accreditation Council
Certificate Number 3589.01
Valid to November 30, 2018

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

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005 & ANSI/NCSL Z540-1-1994

XSENSOR TECHNOLOGY CORP
133 12 Avenue SE,
Calgary, Alberta, CANADA
Amber Ryder Phone: 403 266 6612 ext. 248

CALIBRATION

Valid To: November 30, 2018 Certificate Number: 3589.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Pressure	(1.0 to 80.0) psi (6.9 to 551.6) kPa (10.0 to 200.0) psi (68.9 to 1378.9) kPa (10.0 to 300.0) psi (68.9 to 2068.4) kPa	0.8 psi 5.5 kPa 2.0 psi 13.8 kPa 3.0 psi 20.7 kPa	Calibrations using the INSTRON 8872 (with fixtures of known area to apply a specific load)
Pressure	(5.0 to 200.0) mmHg (0.7 to 26.7) kPa (0.1 to 15.0) psi (0.7 to 103.4) kPa (0.1 to 16.0) psi (0.7 to 110.3) kPa	5.9 mmHg 0.8 kPa 0.1 psi 0.8 kPa 0.2 psi 1.2 kPa	Calibrations using the AIR CHAMBER (controlled by IP regulator/ transducer/DAQ, and verified with a calibrated/traceable gauge)

[1] This laboratory offers commercial calibration service.

[2] 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.