



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

A.V. Gauge & Fixture Inc.
4000 Delduca Drive
Oldcastle, ON N0R 1L0

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

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

Dimensional Measurement

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

L2143-1

Certificate Number


ANAB Approval

Certificate Valid: 10/19/2017-08/27/2018
Version No. 001 Issued: 10/19/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 17025:2005

A.V. Gauge & Fixture Inc.

4000 Delduca Drive
Oldcastle, ON N0R 1L0
Steve St. Pierre
519-737-7677

DIMENSIONAL MEASUREMENT

Valid to: August 27, 2018

Certificate Number: L2143-1

Length - Dimensional Measurement 1D

Measurement Parameter ²	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Dimensional Measurement 1D	(0 to 6) in	7.9 μm	Micrometer utilized as Reference Standard for Dimensional Inspection
	(0 to 12) in	32 μm	Caliper utilized as Reference Standard for Dimensional Inspection
	(0.2 to 1.2) in	(7.4 + 0.001L) μm	Inside Micrometer utilized as Reference Standard for Dimensional Inspection

Length – Dimensional Measurement 3D

Measurement Parameter ²	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Dimensional Measurement 3D	X = (0 to 3 500) mm Y = (0 to 1 500) mm Z = (0 to 1 200) mm	(13 + 0.042L) μm CMM-01711	Coordinate Measuring Machine utilized as Reference Standard for Dimensional Inspection
	X = (0 to 3 000) mm Y = (0 to 1 200) mm Z = (0 to 1 200) mm	(24 + 0.038L) μm	
	X = (0 to 2 500) mm Y = (0 to 1 500) mm Z = (0 to 1 200) mm	(13 + 0.041L) μm CMM-16376	

Dimensional Measurement 3D	X = (0 to 2 500) mm Y = (0 to 1 500) mm Z = (0 to 1 000) mm	(13 + 0.041L) μm	Coordinate Measuring Machine utilized as Reference Standard for Dimensional Inspection
	X = (0 to 2 000) mm Y = (0 to 1 200) mm Z = (0 to 1 000) mm	(14 + 0.039L) μm	
	X = (0 to 2 000) mm Y = (0 to 1 000) mm Z = (0 to 800) mm	(14 + 0.039L) μm	
	X = (0 to 1 500) mm Y = (0 to 1 000) mm Z = (0 to 800) mm	(14.3 + 0.037L) μm CMM-14054	
	X = (0 to 1 000) mm Y = (0 to 700) mm Z = (0 to 600) mm	(15 + 0.034L) μm	
Dimensional Measurement 3D ¹	(50 to 3 000) mm	(4.8+ 0.045L) μm ROMER ARM 1912	Coordinate Measuring Arm utilized as Reference Standard for Dimensional Inspection
	(50 to 2 500) mm	(5 + 0.065L) μm ROMER ARM-514	
	(50 to 2 500) mm	(4.8 + 0.044L) μm LEICA-AT960-MR	Laser Tracker utilized as Reference Standard for Dimensional Inspection

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. 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. Laboratory offers dimensional measurement services at the laboratory's own facilities and at the client or other agreed upon facilities.
2. *L* is measured in mm.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L2143-1.



Vice President

