



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

A V Gauge & Fixture South, LLC.

**1201 Deatsville Road
Cox's Creek, KY 40013**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

DIMENSIONAL MEASUREMENT

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.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 11 November 2023

Certificate Number: L2052-1



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

A V Gauge & Fixture South, LLC.

1201 Deatsville Road
Cox's Creek, KY 40013
Tad Bowman
502-331-9819

DIMENSIONAL MEASUREMENT

Valid to: **November 11, 2023**

Certificate Number: **L2052-1**

1 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Dimensional Measurement 1D	(0 to 101.6) mm	4.4 μ m	Micrometers utilized as Reference Standard for Dimensional Measurement.

3 Dimensional

Parameter	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Dimensional Measurement 3D	X = 0 mm to 2 000 mm Y = 0 mm to 1 200 mm Z = 0 mm to 1 000 mm	(17 + 32L) μ m	LK CMM utilized as a reference standard for dimensional measurement.
	X = 0 mm to 3 300 mm Y = 0 mm to 1 900 mm Z = 0 mm to 1 400 mm	(20 + 35L) μ m	DEA CMM utilized as reference standard for dimensional measurement.
Dimensional Measurement 3D ¹	0 mm to 2 500 mm ³	(34+ 31L) μ m	Coordinate Measuring Arm utilized as Reference Standard for Dimensional Measurement.

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 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. L = Length in meters. All Uncertainty Calculations established off In-House Laboratory Environmental Conditions $\pm 2^\circ$ Fahrenheit.
3. Laboratory has ability to Create Multiple Alignments (Leapfrog) to increase stated Measurement Range of Portable CMM.
4. This scope is formatted as part of a single document including Certificate of Accreditation No. L2052-1.



R. Douglas Leonard Jr., VP, PILR SBU

