

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





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 μm | 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 | | LK CMM utilized as a |
| | Y = 0 mm to 1 200 mm | $(17 + 32L) \mu m$ | reference standard for |
| | Z = 0 mm to 1 000 mm | | dimensional measurement. |
| | X = 0 mm to 3 300 mm | | DEA CMM utilized as |
| | Y = 0 mm to 1900 mm | $(20 + 35L) \mu m$ | reference standard for |
| | Z = 0 mm to 1 400 mm | | dimensional measurement. |
| Dimensional Measurement 3D ¹ | 0 mm to 2 500 mm ³ | (34+ 31 <i>L</i>) μm | Coordinate Measuring Arm |
| | | | utilized as Reference Standard |
| | | | for Dimensional Measurement. |

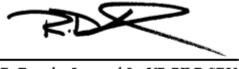
Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.





Notes:

- 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 +/- 2° 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.



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