



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

DYNISCO, LLC
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Franklin, MA 02038
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CALIBRATION

Valid To: January 31, 2026

Certificate Number: 3910.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,5}:

I. Dimensional

Parameter/Equipment	Range	CMC ² (±)	Comments
Bore Diameter ³	Up to 12.7 mm	0.0029 mm	Borescope
Orifice ³ – Bore Length	(0.254 to 3.175) mm Up to 50.8 mm	0.0024 mm 0.0019 mm	Pin gage & micrometer
Piston Tip ³ – Outside Diameter Linear Length	Up to 12.7 mm Up to 19 mm	0.0024 mm 0.0024 mm	Micrometer
Digital Encoder ³ – Linear Length	Up to 25.4 mm	0.0028 mm	Micrometer head

II. Electrical – DC/Low Frequency

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
DC Voltage – Generate	(0 to 90) mV	2.5 μV	EDC CR103

III. Mechanical

Parameter/Equipment	Range	CMC ^{2,4,6} (±)	Comments
Mass – Measure	Up to 8 kg	0.47 g	Scale
Force ³ – Compression Measure	Up to 500 lbf Up to 5000 lbf	0.52 lbf, 0.10 % FSO 6.7 lbf, 0.13 % FSO	Loadcell
Time – Cross Head Dwell Time ³	Up to 10 minutes	0.64 seconds	Stopwatch
Pressure – Measuring Equipment Transducers	Up to 1500 psi Up to 5000 psi Up to 15 000 psi Up to 30 000 psi Up to 100 000 psi	0.6 psi 1.1 psi 2.8 psi 6.7 psi 43 psi	Transducer with meter: TS-1500 TS-5000 TS-15 000 TS-30k TS-100k
	(-15 to 7.5) psi (-15 to 15) psi (-15 to 25) psi (-15 to 50) psi (-15 to 200) psi (-15 to 500) psi (-15 to 1000) psi	0.002 psi 0.003 psi 0.004 psi 0.007 psi 0.022 psi 0.052 psi 0.10 psi	Mensor sensors
Dynisco/Viatran Transducers	(500 to 60 000) psi	0.014 %	Pressurements deadweight tester M3820



IV. Thermodynamics

Parameter/Equipment	Range	CMC ^{2,4} (±)	Comments
Temperature – Measure Barrel Temperature ³	(15 to 350) °C	0.095 °C	Digital PRT

¹ This laboratory does not offer 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.

³ Field calibration service is available for this calibration. Please note the actual measurement uncertainties achievable on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

⁴ 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.

⁵ This scope meets A2LA's *P112 Flexible Scope Policy*.

⁶ In the statement of CMC, percentages are percentages of reading, unless otherwise indicated.



Accredited Laboratory

A2LA has accredited

DYNISCO, LLC

Franklin, MA

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 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 6th day of February 2024.

A blue ink signature of Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 3910.01
Valid to January 31, 2026

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