

SCOPE OF ACCREDITATION TO ISO 17025:2017

Ver. 2.0, Rev. 1/4/23

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CALIBRATION

Valid To: February 29, 2024

Certificate Number: 6303.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1, 3}:

I. Mechanical

Parameter	Range	CMC ² (±)	Comment
Torque – -Wrenches and Screwdrivers	(10 to 100) lbf·in	3% of reading	Torque transducer
	(25 to 500) lbf·in	0.069 % of reading	
	(25 to 250) lbf·ft	0.19 % of reading	
	(25 to 1000) lbf·ft	0.19 % of reading	
	(750 to 6000) lbf·ft	0.43 % of reading	
-Pneumatic Wrench	(10 to 10 000) lbf·ft	0.20 % of reading	AWS Transducer (pressure to torque correlation)
	(10 to 30) PSI	0.24 % of reading	
	(31 to 60) PSI	0.50 % of reading	
	(61 to 80) PSI	0.22 % of reading	
-Hydraulic Wrench	(81 to 100) PSI	0.30 % of reading	AWS Transducer (pressure to torque correlation)
	(10 to 2000) PSI	9.4 % of reading	
	(2001 to 6000) PSI	13 % of reading	
	(6001 to 8000) PSI	17 % of reading	
	(8001 to 10 000) PSI	20 % of reading	
(10 000 to 41 000) PSI	3% of reading		

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.

³ This scope meets A2LA's *P112 Flexible Scope Policy*.