



Accredited Laboratory

A2LA has accredited

PRESCOTT INSTRUMENTS LTD

Gloucestershire, UNITED KINGDOM

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 3rd day of July 2019.

A blue ink signature of a person, likely the Vice President of Accreditation Services, written over a horizontal line.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 4023.01
Valid to July 31, 2021



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

PRESCOTT INSTRUMENTS LTD
Unit F, Northway Lane Trading Estate
Tewkesbury, Gloucester, UNITED KINGDOM
Peter Goddard Phone: 440 1684 274300

CALIBRATION

Valid To: July 31, 2021

Certificate Number: 4023.01

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. Mechanical

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
Dynamic Torque	(1 to 80) dN·m	0.14 dN·m	MDR/ODR testing equipment, temperature meter and torque standard
Force and Materials – Testing Machines ³	200 N to 2.5 kN	0.27 %	Class 0.5, 1, 2 and 3 machines to BS ISO 7500-1
Tension and Compression	2000 N to 25 kN 200 N to 200 kN (1 to 500) N	0.25 % 0.20 % 0.11 %	
Displacement	Up to 50 mm	0.16 %	
Torque	(1 to 80) dN·m 0° to 180°	0.12 dN·m 8.6 arc seconds	

II. Thermodynamics

Parameter/Equipment	Range	CMC ^{2, 4} (\pm)	Comments
Temperature	(25 to 300) °C	0.19 °C	Comparison with PRT/indicator

¹ This laboratory offers commercial calibration service and field 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. CMC 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 and this laboratory meets A2LA R104 – *General Requirements: Accreditation of Field Testing and Field Calibration Laboratories* for these calibrations. 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 In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.

⁵ This scope meets A2LA's P112 Flexible Scope Policy