SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017
& ANSI/NCSL Z540-1-1994

ON POINT CALIBRATION
6265 Old US Highway 421
Zionville, NC 28698
Heather Tracy Phone: 980 636 4628

CALIBRATION

Valid To: June 30, 2028 Certificate Number: 5607.01

In recognition of the successful completion of the A2LA evaluation process (including an assessment of the organization's compliance with R205 – A2LA's Calibration Program Requirements), accreditation is granted to this laboratory to perform the following calibrations[1]:

I. Mechanical

Parameter/Equipment	Range	CMC[2] (±)	Comments
Indirect Verification of Vickers & Knoop Micro-Indentation Hardness Testers[3]	Low Range (≥100 to ≤250) HK (≥100 to ≤240) HV Medium Range (>250 to ≤650) HK (>240 to ≤600) HV	 1.3 HK 3.0 HV 1.3 HK 1.3 HV	Indirect verification method per ASTM E92 and E384 using NIST traceable test blocks mfg. by Buehler
Indirect Verification of Rockwell Hardness Testers[3]	HRA: (20 to 65) HRA (70 to 78) HRA (80 to 84) HRA HRBW: (38 to 59) HRBW (60 to 79) HRBW (80 to 100) HRBW HRC: (20 to 30) HRC (35 to 55) HRC (60 to 65) HRC	 0.30 HRA 0.28 HRA 0.16 HRA 0.37 HRBW 0.28 HRBW 0.39 HRBW 0.39 HRC 0.41 HRC 0.33 HRC	Indirect verification per ASTM E18 using NIST traceable test blocks from David Ellis Co.

Parameter/Equipment	Range	CMC[2] (±)	Comments
Indirect Verification of Superficial Rockwell Hardness Testers[3]	HR15N: (70 to 77) HR15N (78 to 88) HR15N (90 to 92) HR15N HR30N: (42 to 50) HR30N (55 to 73) HR30N (77 to 82) HR30N HR45N: (20 to 31) HR45N (37 to 61) HR45N (66 to 72) HR45N HR15TW: (73 to 80) HR15TW (81 to 86) HR15TW (87 to 93) HR15TW HR30TW: (40 to 56) HR30TW (57 to 69) HR30TW (70 to 83) HR30TW HR45TW: (13 to 32) HR45TW (33 to 52) HR45TW (53 to 73) HR45TW	 0.46 HR15N 0.42 HR15N 0.50 HR15N 0.17 HR30N 0.32 HR30N 0.30 HR30N 0.35 HR45N 0.30 HR45N 0.28 HR45N 0.38 HR15TW 0.21 HR15TW 0.43 HR15TW 0.66 HR30TW 0.30 HR30TW 0.24 HR30TW 0.46 HR45TW 0.44 HR45TW 0.44 HR45TW	Indirect verification per ASTM E18 using NIST traceable test blocks mfg. by David Ellis Co.
Indirect Verification of Brinell Hardness Testers[3] –	(>125 to >225) HWB	3.4 % of measurement	Indirect verification per ASTM E10 using NIST traceable test blocks mfg. by David Ellis Co. and Sun-Tech Corporation
Verification of the Mean Diameter of the Indenter	(1, 2, 2.5, 5, 10) mm	1.2 % of measurement	By mechanical (optical) comparison.
Verification of the Device for Measuring Indentation Diameters	Type B Devices 5 mm 10 mm	 0.01 mm 0.02 mm	Per ASTM E10 A1.4.6.2

[1] This laboratory offers commercial calibration and field calibration services.

[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.

Accredited Laboratory

A2LA has accredited

ON POINT CALIBRATION

Zionville, NC

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 the requirements of ANSI/NCSL Z540-1-1994 and 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 1st day of May 2026.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 5607.01
Valid to June 30, 2028

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