

PTC METROLOGY™ Accredited Calibration Lab

A2LA ACCREDITED FOR DUROMETER CALIBRATION

PTC Metrology™ uses N.I.S.T. Traceable Standards and Meets the requirements of



Accredited Laboratory

A2LA has accredited

PTC METROLOGY

Los Angeles, CA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 April 2018.

President and CEO
For the Accreditation Council
Certificate Number 1896.01
Valid to March 31, 2020

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

We are a member of ASTM. Our Technical Director holds a Ph.D. in Physics and serves on ASTM technical committees:

- D11.10, Physical Properties of Rubber
- E20.7, Fundamentals of Thermometry

PTC® is also a member of A2LA, NCSLI (National Conference of Standards Laboratories International), and ASQ (American Society for Quality).

Durometer calibrations include, as a minimum,

- Mainspring force curve
- Indenter geometry and finish
- Indenter extension
- Dial indicator travel

A written calibration report for any durometer covered by current ASTM D2240-2005 (2010) or F1957 Specifications is available from PTC Metrology™. Each certification provides both “as received” and “as left” data. The points calibrated are normally every 10 points over the durometer’s scale. Certification reports are also available for DIN, JIS, ISO, and proprietary standards. Other types and custom durometers can also be certified.

PTC® Instruments & PTC Metrology™ Calibration Lab
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In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations.

Parameter/Equipment	Range	CMC ² (±)	Comments
Durometer Calibration - Indenter Shape			
Diameter	(0.045 to 0.055) in	100 μin	ASTM D2240
	(0.0897 to 0.0977) in	100 μin	Comparator overlay
	(0.030 to 0.032) in	100 μin	
Radius	(0.248 to 0.252) radii	300 μin	
	(0.0466 to 0.0470) radii	300 μin	
	(0.0035 to 0.0045) radii	100 μin	
Angle	(34.75 to 35.25) degrees	0.04 degrees	
	(29.5 to 30.5) degrees	0.04 degrees	
Indenter Extension	(0.096 to 0.1) in	50 μin	Gage blocks
	(0.048 to 0.05) in	50 μin	
	(0.298 to 0.302) in	50 μin	
Readout Linearity	(0.01 to 0.3) in	50 μin	Gage blocks
Spring Calibration Force	(1 to 821) gf	0.6 gf	Durocalibrator,
	(1 to 4534) gf	3.1 gf	Electronic scale,
	(1 to 9112) gf	6 gf	Load cell
	(1 to 142) gf	0.3 gf	

Valid to: March 31, 2020

Certificate Number 1896.01