PTC METROLOGY™ Accredited Calibration Lab

A2LA ACCREDITED FOR DUROMETER CALIBRATION

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

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