

Instron has been a leader in speed and displacement calibration and actively contributed to developing ASTM standards. Our services are accredited to ISO/IEC 17025 under NVLAP Lab Code 200301-0, providing global recognition and traceable to the SI (The International System of Units) through internationally recognized National Metrology Institutes.

SPEED AND DISPLACEMENT CALIBRATION SERVICES

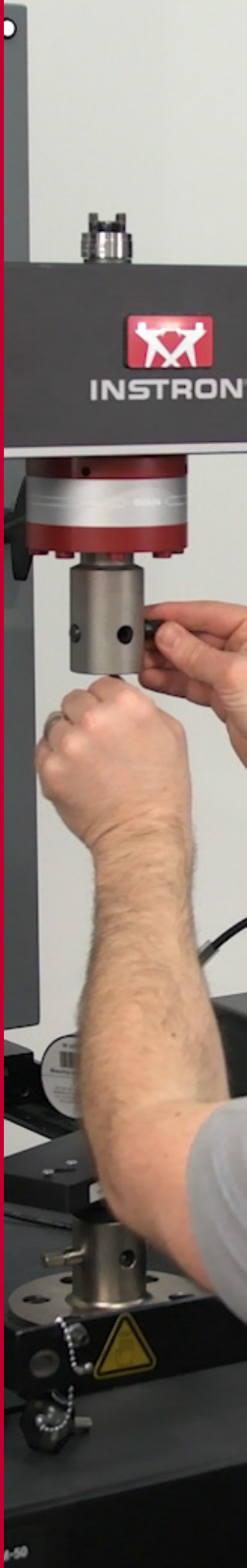
Speed and displacement calibrations verify the accuracy of your testing system's crosshead movement and position measurements. These parameters are critical for ensuring test validity, meeting international standards, and maintaining product quality.

SPEED CALIBRATION:

- Instron's speed calibration services are fully compliant with ASTM E2658.
- Instron's typical range for speed calibration is from 1.0 mm/min up to 1270 mm/min. However, expanded ranges are available, including accredited speeds as low as 0.03 mm/min and up to 3000 mm/min.
- Our **standard** speed calibration service includes three (3) customer-chosen speeds while our **enhanced or extended** calibration service includes five (5) speeds which include the lowest and highest reasonable speeds in the customer's chosen range.

DISPLACEMENT CALIBRATION:

- Instron's displacement calibration services are fully compliant with ASTM E2309 and ISO 9513.
- Instron's **standard** displacement calibration service is measured between 10% and 100% of the selected range, starting from either 10% of the selected upper range or 25.4 mm, whichever is greater, and extending up to a maximum of 1000 mm.
- Our **enhanced or extended** displacement calibration service extends measurement up to 1500 mm and allows a user selected starting point as low as 0.5 mm.



BENEFITS OF INSTRON CALIBRATION

Factory-Trained Field Service Engineers: Every calibration is performed by our highly skilled Field Service Engineers using advanced methods and equipment.

Global Reach: With over 300 Field Service Engineers globally, our team is strategically located to provide fast on-site response.

Global Accreditation: Our calibration services are accredited to ISO/IEC 17025 by NVLAP under lab code 200301-0, ensuring that Instron has proven technical competence and necessary quality systems in place to consistently deliver calibrations which maximize customer confidence.

Manufacturer-Certified Expertise: As the company that designed and built your testing system, we have unparalleled knowledge to ensure precise calibration and optimal performance.

Automated Accuracy: All Field Service Engineers use proprietary Calpro CR software, which automates and optimizes calibration processes, eliminating errors from manual data transfer and significantly reducing calibration turnaround times.

Minimized Downtime: We prioritize efficiency, providing fast and reliable service to keep your operations running smoothly.

Comprehensive Support: From calibration and preventative maintenance to technical assistance, Instron offers complete lifecycle care for your testing systems.

WHAT SYSTEMS CAN INSTRON CALIBRATE?

Our calibration expertise extends to a broad range of testing systems, including MTS®, Zwick, Tinius Olsen, TA Instruments, Shimadzu®, United, Bose, Gardabani, Lloyd Instruments, Mecmesin and more.

[Learn More](#)

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