

HDT & VICAT CALIBRATION

Instron[®] Professional Services



Instron is a leading provider in calibrating HDT & Vicat systems and is an active participant in the development of ISO 75 and ASTM D648 standards for HDT and ISO 306 and ASTM D1525 standards for Vicat. This service ensures that testing parameters are being met and that associated results are being calculated accurately.

Regular calibration of your HDT & Vicat systems is essential to avoid potential risk exposure from inaccurate test results that can affect the quality of your product to market.

HDT & VICAT CALIBRATION SERVICE

- CEAST HDT tester calibration complying with ISO 75 and ASTM D648, including 1 temperature ramp 120°/hour (up to required working temperature).
- CEAST Vicat (VST) calibration complying with ISO 306 and ASTM D1525, including 1 temperature ramp 120°/ hour and 1 temperature ramp 50°/hour (up to required working temperature).
- Calibration of the system's mass from 2 grams up to 4095 grams.
- Calibration performed by a factory-trained Field Service Engineer, who can make system adjustments if required.

CALIBRATION CERTIFICATES

Station 2

Station 3

Station 4

Station 5

Station 6

Station 1

Station 2

Station 3

Station 4

Station 5

Station 6

0.5 mm Displacement

data.

1.000 mm

1.000

1.010

1.000 mm

1.010

0.510

0.500 mm

0.500

0.510 mm

0.500

0.510

mm

mm

Run1

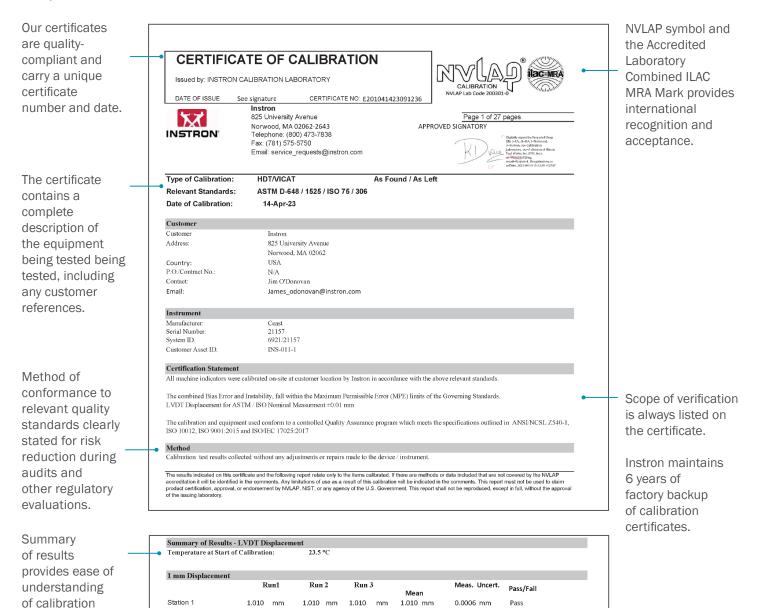
mm

mm

mm

mm

On completion of your calibration you will receive a fully compliant ISO/IEC 17025 accredited certificate of calibration. Accredited by NVLAP, a signatory to the International Laboratory Accreditation Cooperation Mutual Recognition Arrangement (ILAC MRA), Instron's calibration certificates provide you with the confidence of global acceptance.



mm

mm

mm

mm

mm

mm

mm

1.000 mm

1.000 mm

1.010 mm

1.000 mm

1.010 mm

Mean

0.510 mm

0.500 mm

0.500 mm

0.510 mm

0.500 mm

0.510 mm

0.0006 mm

0.0006 mm

0.0006 mm

0.0006 mm

0.0006 mm

Meas. Uncert.

0.0034 mm

0.0034 mm

0.0034 mm

0.0034 mm

0.0034 mm

0.0034 mm

Pass

Pass

Pass

Pass

Pass

Pass/Fail

Pass

Pass

Pass

Pass

Pass

Pass

1.000 mm

1.000

1.010

1.000 mm

1.010

0.510

0.500 mm

0.500

0.510 mm

Run 3

1.000 mm

1.000 mm

1.010 mm

Run 2

0.510 mm

0.500 mm

0.510 mm

mm

0.500

0.500 mm 0.500

0.510 mm 0.510

1.000 mm

1.010 mm

2

BENEFITS OF INSTRON CALIBRATION

Instron is accredited by NVLAP under Lab Code 200301-0. This ensures that Instron has proven technical competence and necessary quality systems in place to ensure consistent calibration processes which maximize customer confidence.

- All global calibration laboratory procedures follow latest versions of ISO or ASTM calibration standards.
- Our field calibration kits are carefully monitored by our global calibration laboratory for expiration to ensure the integrity of your data.
- Our Field Service Engineers are audited in accordance with our accreditation to ISO 17025 by NVLAP under Lab Code 200301-0 a signatory of the International Laboratory Accredited Cooperation Mutual Recognition Arrangement (ILAC MRA).
- Instron has a global presence, with an accredited calibration laboratory and Field Service Engineers located in key regions around the world. This means that no matter where you are located, you can access our high-quality calibration services and support.





INSTRON SERVICE AGREEMENTS

Instron offers a variety of different service agreement options, where you can combine preventative maintenance, calibration and Instron Connect into a single plan for all of your Instron systems, bringing you consistency in your lab.



ACCESS YOUR CALIBRATION CERTIFICATE WITH INSTRON CONNECT

Instron Connect includes a number of technologies that create a secure connection between the testing systems at your facility and Instron. These technologies include a support portal and an AI driven mobile app where you can access your Instron system's preventative maintenance reports, service history and calibration certificates at any time.

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