



3590 calibrator.

Epsilon's calibrator features 50 microinches (0.001 mm) resolution and has full 2 inches (50 mm) of measuring range. The autozero button and digital display greatly simplify calibration of extensometers. It is also available in an ultra-high resolution version with 5 microinch (0.1 micron or 0.0001 mm) resolution.

When it comes time to calibrate your extensometers, these calibrators are easier to use and faster than any others on the market. They have enough measuring range to calibrate nearly all extensometers, and enough resolution to calibrate units with low measuring ranges.

The digital display reads inches and changes to mm at the touch of a button. The autozero button is a great help in calibrating. Just press the button to start readings from zero. The digital display reduces operator error.

A wide range of adapters are available. The calibrator comes with smooth round adapters, of .375 inches diameter (9.52 mm). For special adapters, contact Epsilon. For very long gage length extensometers, an optional extension post is available. An option is available for digital SPC output for interfacing with PCs. The calibrator has calibration traceable to NIST, as required for meeting most standards such as ASTM.

3590 Features

- 50 microinches (0.001 mm) resolution.
- Full 2 inches (50 mm) measuring range.
- Digital display.
- Autozero button simplifies readings.
- Adapters and extension posts available for nearly any extensometer.
- Foam lined case for storage included.
- Certification to meet NIST traceability and ASTM and other requirements.

Contact Epsilon for your special testing requirements.



3590 digital extensometer calibrator adapters for various extensometers.



3590 in foam lined storage case (included).



3590 calibrator with model 3542 extensometer mounted.



3590HR.



3590AT Axial/Torsional Calibrator.

3590HR High Resolution Features

- 5 microinches (0.0001 mm) resolution.
- Full 2 inches (50 mm) measuring range.
- Digital display.
- Autozero button simplifies readings.
- Adapters and extension posts available for nearly any extensometer.
- Foam lined case for storage included.
- Certification to meet NIST traceability and ASTM and other requirements.

3590AT Axial/Torsional Features

- 50 microinches (0.001 mm) resolution.
- Full 2 inches (50 mm) measuring range.
- Torsional 10 degrees measuring range.
- Digital display.
- Autozero button simplifies readings.
- Foam lined case for storage included.
- Certification to meet NIST traceability and ASTM and other requirements.

3590DH Dual Head Features

- 50 microinches (0.001 mm) resolution.
- Full 4 inches (100 mm) measuring range.
- Digital display.
- Autozero button simplifies readings.
- Adapters and extension posts available for nearly any extensometer.
- Foam lined case for storage included.
- Certification to meet NIST traceability and ASTM and other requirements.

OPTIONS

This is a partial listing of available adapter sets:

- 3590-01** Smooth round posts, .25 inches diameter (6.35 mm)
- 3590-02** Adapters for flat specimens
- 3590-03** Adapters for clip-on fracture mechanics gages
- 3590-04** Transverse extensometer adapters
- 3590-05** Circumferential extensometer adapters
- 3590-06** Adapters for large averaging extensometers (like 3542RA)
- 3590-07** Extension post for long gage length extensometers

Contact Epsilon for your special testing requirements.