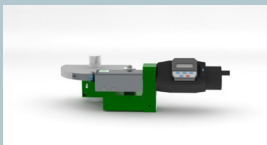
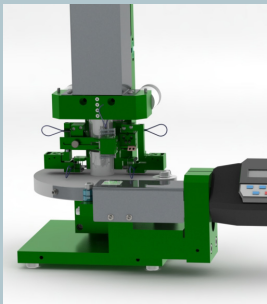


Model 3590-TORSION with a model 3590VHR axial calibrator



Model 3590-TORSION accessory



Model 3550 axial-torsional extensometer ready for calibration

This calibrator accessory is designed to be used with Epsilon

Model 3590 and 3590VHR calibrators to perform axial-torsional

calibrations and verifications.



Model 3590-TORSION with a model 3590 axial calibrator

Epsilon's 3590-TORSION Calibrator Accessory is designed for use with Epsilon models 3590 and 3590VHR Calibrators. It is designed for torsional calibration or verification of extensometers, including Epsilon axial-torsional models 3550, 7650, and 3550HT. The accessory includes a mechanical rotation subassembly and a calibrated and traceable linear displacement head.

Readings must be converted from displacement of the linear measuring head to torsional rotation of the calibration rig: 1.27 mm (0.050") = 1 degree twist. The digital display reads in millimeters or inches and can be zeroed at the touch

of a button.

Features

- 0.001 mm (50 microinches) resolution of the displacement head.
- ± 0.004 mm/25 mm (± 0.00015 in/in) accuracy of the displacement head.
- Torsional ± 10 degree measuring range.
- Standard configuration includes 25.4mm (1") diameter extensometer adapters. Note: Adapter size is permanent and cannot be modified after fabrication.
- Digital display with selectable length units and a zero button.
- The linear displacement head is calibrated and traceable in length units. Customers must convert linear displacements to rotational units.
- Includes a dedicated, foam-lined storage case.

Standards Labs in most countries have signed a Mutual Recognition Arrangement CIPM MRA. This includes the NPL in the UK, NIST in the USA and many others. This makes them effectively traceable to each other. Services of the NPL are equivalent to those offered by NIST and are recognized by NIST through this agreement of reciprocity. www.bipm.org/en/cipm-mra/

