

Due to supply issues this model is presently not available. Contact Epsilon if you have an application that requires a submerged extensometer and you want to be notified by Epsilon when we introduce a submersible extensometer.

Submersible extensometers designed for performing tests in water, saline solutions, and other liquids compatible with the materials of construction.



Model 4030 with 0.5 inch gauge length

The Model 4030 extensometer uses a special LVDT-like sensor to measure strains on samples submersed in water or other compatible liquids. The unit is provided with the signal conditioning electronics. The extensometer is a semi-custom design, which is available in smaller measuring ranges up to 5 mm (0.2 inches).

These are made entirely of corrosion-resistant materials, with Teflon cables and tough stainless steel knife edges. Optionally, they can also be supplied with ceramic knife edges and electrically isolated quick attach kit wires to minimize galvanic corrosion with test samples.

Contact Epsilon for help with configuring a system to meet your test needs.

Features

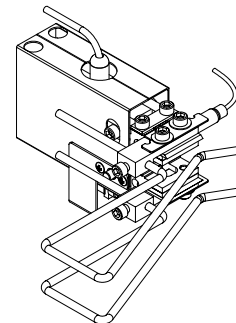
- Signal conditioner and power supply included. Easily interfaced to test controllers, data acquisition boards, and chart recorders.
- Shipped fully calibrated with electronics (traceable to NIST) with user specified voltage output.
- Designed for monotonic tests. Epsilon does not recommend this model for strain control or cyclic testing applications.
- Includes high quality foam lined case.

SPECIFICATIONS

- Analog Output:* Up to $\pm 10V$
- Gauge Length:* May be in the range 10 - 25 mm (specify when ordering)
- Measuring Range:* May be in the range 2.5 - 5.0 mm (specify when ordering)
- Accuracy:* $< \pm 100 \mu m$ as supplied from Epsilon
 $< \pm 5 \mu m$ with 3rd order polynomial linearization performed in the customer's electronics
- Temperature Range:* $-40\text{ }^{\circ}C$ to $+100\text{ }^{\circ}C$ ($-40\text{ }^{\circ}F$ to $210\text{ }^{\circ}F$)
- Cable:* 0.45 m (1.5 ft), multistranded, shielded, SS reinforced, Teflon[®] insulated
- Standard Quick*
- Attach Kit:* Fits round samples up to 12 mm (0.5 inch) diameter and flats to 12 mm thick by 12 mm wide (0.5 inch by 0.5 inch)
- Environment:* Submersible in water and other liquids compatible with materials of construction
- Power:* Includes power supply for your country (specify)



Visit our website at www.epsilontech.com
Contact us for your special testing requirements.



MODEL 4030 EXAMPLE