Submersible extensometer 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). Clip-on (COD) style designs are also available.

These are made entirely of stainless steel with Teflon cables. They can also be supplied with ceramic knife edges and heat shrink tubing over the quick attach kit wires, to eliminate any galvanic corrosion issues with test samples.

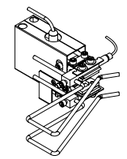
Contact Epsilon or email sales@epsilontech.com for help with configuring a system to meet your test needs.

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.
- Includes high quality foam lined case.

Specifications

Input:	Includes power supply for your country (specify)
Output:	User specified, +/-5 VDC or +/-10 VDC typical
Linearity:	:≤1.0% of full scale measuring range, depending on model
Temperature Range:	Standard (-ST) is -40 °C to +100 °C (-40 °F to 210 °F)
Cable:	1.5 ft (45 cm), multistranded, shielded, SS reinforced, Teflon® insulated
Standard Quick Attach Kit:	Fits round samples up to 0.5 inch diameter (12 mm) and flats to 0.5 inch thick by 0.5 inch wide (12 mm by 12 mm)
Environment:	Submersible in water and other liquids compatible with materials of construction



MODEL 4030 EXAMPLE