



4030 with a 0.5 inch gage length and $\pm 5\%$ measuring ranges.

Submersible extensometer designed for performing

tests in water, saline solutions, and other liquids

compatible with the materials of construction.

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 only up to 5 mm (0.2 inches). Clip-on (COD) style designs are also available.

These are made entirely of 304 series 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.

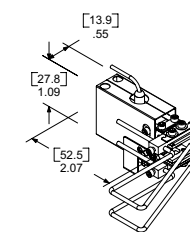
Features

- 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:* $\leq 1.0\%$ of full scale measuring range, depending on model
- Temperature Range:* Standard (-ST) is $-40\text{ }^{\circ}\text{C}$ to $+100\text{ }^{\circ}\text{C}$ ($-40\text{ }^{\circ}\text{F}$ to $210\text{ }^{\circ}\text{F}$)
- 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

Contact Epsilon for your special testing requirements.



TYPICAL MODEL 4030

DIMENSIONS: [mm] inches