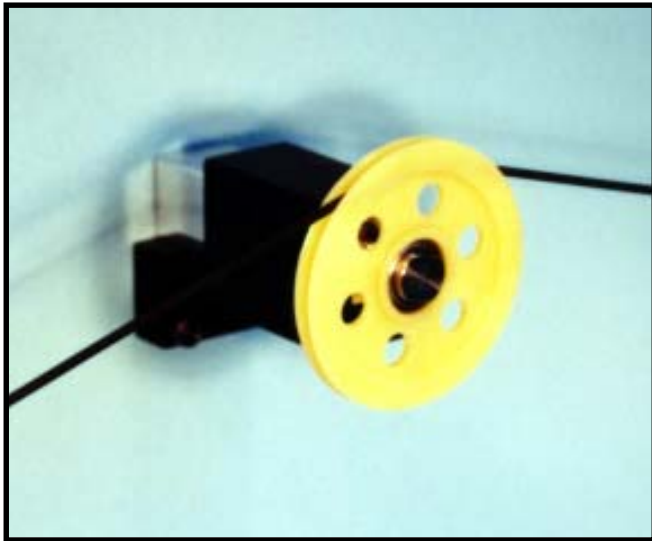
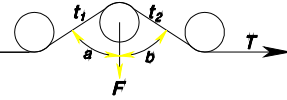


Dynamic *Tension Measurement*



Multi-Purpose MPC5-Series

These strain gaged sensors can be cantilevered from a vertically oriented wall or backplane for precise in-line tension monitoring. They can also be bolted to a horizontal surface where required. A variety of standard rollers are offered to accommodate wire, cable, ropes, webs, tapes, tubing and other filamentous materials. Can also be ordered for higher temperature and vacuum environments. For dimensions please request the MPC5-Series drawings. Ask about our other multi-purpose tension sensors for different installation options.

VERSATILE TENSION SENSORS

MPC5-Series Cantilever Models

Wire - Cable - Rope - Filaments - Webs - Etc.

Specifications:

Sensor Ranges: From 0 - 250 lb. to 0 - 500 lb. (wrap angle dependent)

Operating Temperature: -40° F to 180° F

Excitation Voltage Recommended: Regulated 5 - 10 VDC

Bridge Resistance: 350 ohm nominal

Output Signal: 1 mV/V full scale nominal

Resistance to Ground: Exceeding 500 Megohms

Drift at Midpoint: 0.2% typ.

Noise Level: Less than 0.2%

Linearity: 0.25% to 0.5% or better is typical

Accuracy (Total Error): 0.25% - 0.5% anywhere in range is typ., not to exceed
1% of the reading anywhere in the full-scale range

Repeatability: 0.25% - 0.5% typ.

Transducer Materials: Aluminum is typical

Rollers: A variety of roller types offered. We will install your rollers where feasible.

Shielded Cable: P.T.F.E. insulated, with braided shield. 10 ft. standard, other lengths available.

Cable leads have gold plated contact pins soldered to leads.

Overload Protection: 50% - 100% (Range Dependent) Sensor housing provides physical
overload stops for additional overload protection.

For Technical Information
Or to Place an Order
Tel: (303) 465-1011