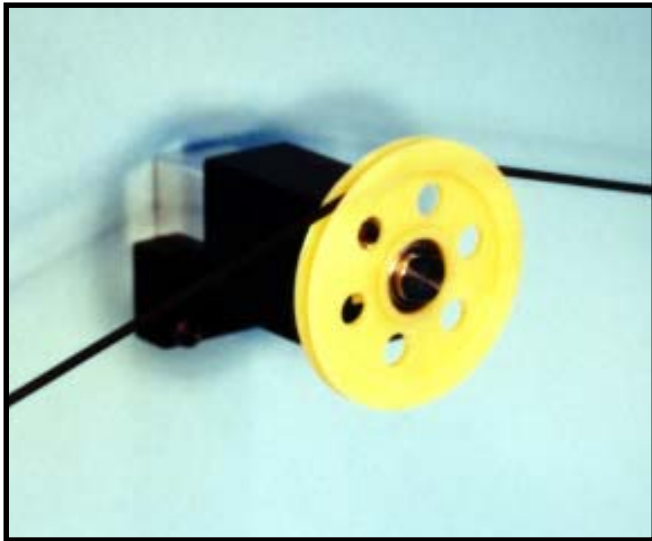
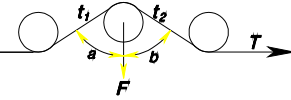


# Dynamic *Tension Measurement*



## 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