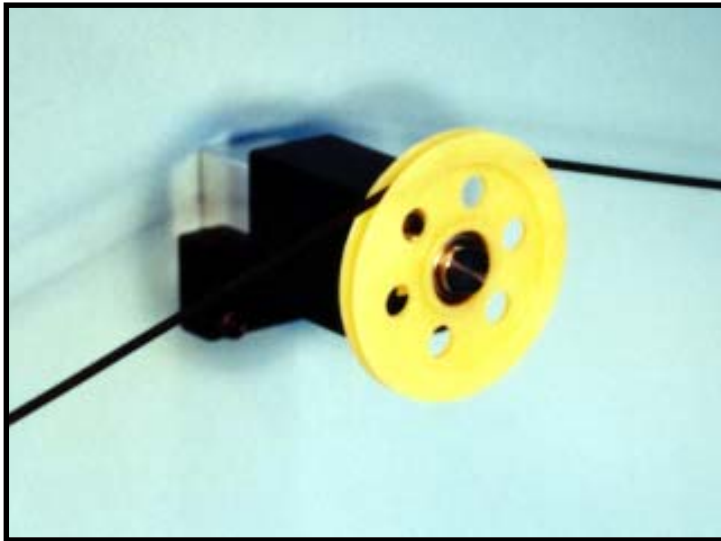
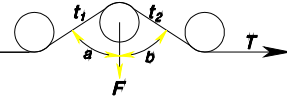


# Dynamic *Tension Measurement*



## Multi-Purpose Model MPC-Series

These versatile strain gaged sensors can be cantilevered from a vertically oriented wall or backplane for precise on-line monitoring of tension. A variety of standard rollers are offered for use on wire, fiber, cable, yarns, filaments, tubing, tapes, films, etc.

Vacuum compatible and higher temperature versions are also available.

For dimensions please request associated drawings.

## VERSATILE TENSION SENSORS

### **MPC-Series Cantilever Mount Models**

**Filaments - Fiber - Wire - Cable - Tapes - etc.**

## Specifications:

**Sensor Ranges:** From 1 to 6,000 grams (Wrap Angle Dependent)

**Operating Temperature:** -40° F to 180° F

**Excitation Voltage Recommended:** Regulated 5 - 10 VDC

**Bridge Resistance:** Full bridge, 350 ohm nominal

**Output Signal:** 1 mV/V full scale nominal

**Resistance to Ground:** Exceeding 500 Megohms

**Linearity:** 0.25% to 0.5% typ. anywhere in the full-scale range

**Accuracy (Total Error):** 0.25 - 0.5 % typ. not to exceed 1.0%  
of the reading anywhere in the full scale range

**Repeatability:** .25% - .5% typ.

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

Other lengths available. Gold plated contact pins soldered to cable leads for positive/easy termination with an indicator.

**Transducer Housing:** Hard Anodized Aluminum is Typical

**Overload Protection:** 100% - Minimum. Sensor housing provides additional mechanical overload protection.

**Roller Options:** We offer more than 300 standard roller options for wire, cable, narrow webs, tapes, filaments, fibers, film, tubing, etc.

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