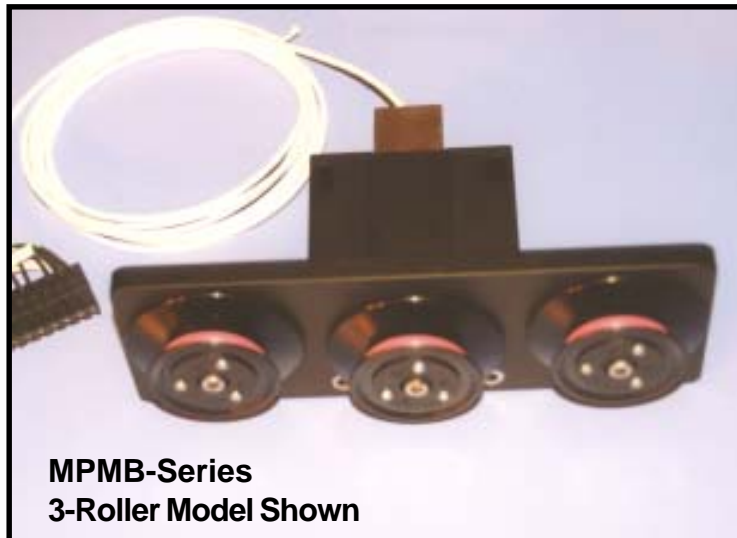
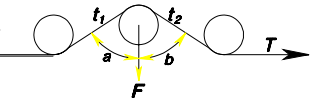


# Dynamic Tension Measurement



## Multi-Purpose Model MPMB-Series

These tension sensors can be ordered as 3-Roller and Single Roller instruments. They offer excellent accuracy and durability. Different roller diameters are installed on faceplate widths that vary from 5.0" to 13". A variety of standard rollers make them adaptable to many applications. Some of their uses include wire, cable, fibers, yarns, tubing, tapes, filaments, narrow webs and tow. See the MPMB-Series single and 3-roller drawings for dimensions.

## VERSATILE TENSION SENSORS

### **MPMB-Series Single & 3-Roller Models**

**Filaments - Fibers - Tapes - Wire - Cable - Tow - etc.**

## **Specifications:**

**Sensor Ranges:** From 1 to 5,000 grams or 0 - 11 lbs.

**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

**Accuracy (Total Error):** .25% - .50% typ., not to exceed 1% error of the reading anywhere in the full-scale sensor range

**Repeatability:** .25% - .5% typ. anywhere in the full-scale range

**Rollers:** Variety of standard roller types offered, custom roller options also offered.

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

**Transducer Materials:** Typically Hard Anodized Aluminum

**Overload Protection:** 100% Minimum of the full-scale range . Sensor housing provides physical overload protection.

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