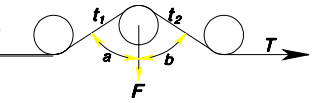


# Dynamic Tension Measurement



## **Multi-Purpose Model CF2-Series**

These single roller tension sensors allow installation from a vertically oriented surface. There are three standard instrument bodies offered, with a mounting flange positioned at the rear, middle or front of the sensor to allow face or through-hole installation. Typical uses include closed loop tension control, data acquisition, or simply for displayed tension when paired with a digital tension indicator/signal conditioner. Higher temperature options and vacuum compatible options also available. These durable precision sensors will provide many years of service. A variety of standard rollers and contact elements are offered for use on wire, cable, textiles, yarns, filaments, fiber, tapes, films and narrow webs, carbon fiber, tows, tubing, etc.

## VERSATILE TENSION SENSORS

### **CF2-Series, Cantilever Mounting**

· Filaments · Fibers · Tubing · Wire · Tow · Webs

## **Specifications:**

**Sensor Ranges:** From 0 - 12 LB up to 0 - 25 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:** Approx. 1 mV/V full scale nominal

**Resistance to Ground:** Exceeding 500 Megohms

**Linearity:** 0.25% to 0.5% of reading is typ.

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

**Repeatability:** 0.25% - 0.5% 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:** Black Hard Anodized Aluminum.

**Overload Protection:** 100% of FS Range minimum. The circular sensor housing provides excellent mechanical overload protection.

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