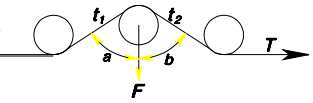


Dynamic Tension Measurement



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**