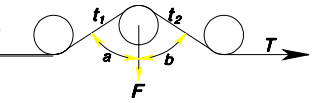


Dynamic Tension Measurement



Three Standard Mounting Flanges
See Drawings CFF, CFR and CFM

Multi-Purpose Model CF-Series

These small single roller tension sensors allow installation from a vertically oriented surface. There are three standard instrument bodies offered, with mounting flange variations to allow face or through-hole installation. Typical uses include closed loop tension control, data acquisition and digital tension indication. These durable and precision sensors will provide many years of service. Higher temperature and vacuum compatible options available.

A variety of standard rollers and contact elements are offered for use on textiles, yarns, fine wire, optical fiber, filaments, fiber, tapes, films, narrow webs, threads, cable, tow, tubing, etc.

VERSATILE TENSION SENSORS

CF-Series, Single Roller Options

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

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: 350 ohm nominal

Output Signal: 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: .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.

Overload Protection: 100% - 200% Range dependent. Sensor housing provides additional mechanical overload protection.

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