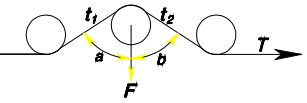


Dynamic Tension Measurement



- Filaments
- Fibers
- Tapes
- Fine Wire
- Tow
- Tubing
- Cable

Multi-Purpose Model FTX-Series

These versatile tension sensors can be ordered as single and three roller instruments. A variety of standard rollers and non-rotating contact elements make them adaptable to many applications as both a simple tension readout or for closed loop control. Some of their uses include filaments, fiber, yarn, wire, tapes, tubing and tow. Higher temperature options and vacuum compatible options also available. For 3-roller use, three standard faceplate widths of 5", 6" and 8" are offered. No faceplate is required when ordered as a single roller sensor. See drawings for dimensions.

VERSATILE TENSION SENSORS FTX-Series, Single & 3-Roller Options

Installation Flexibility: Six holes through body

Specifications:

Standard Ranges: From 0 - 12 LB, 0 - 15 Lb, 0 - 20 LB & 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: 1 mV/V full scale nominal

Resistance to Ground: Exceeding 500 Megohms

Noise Level: Less than 0.2%

Linearity: 0.25% to 0.5% or better is typical

Repeatability: 0.25% - 0.5% typ.

Accuracy (Total Error): 0.25 - 0.5% is typ, not to exceed 1% of the reading
anywhere in the full-scale tension range.

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

Other lengths available. In-line connectors also available.

Transducer Materials: Aluminum is the standard

Overload Protection: 100% minimum. Sensor housing provides additional
mechanical overload protection.

For Technical Information
Or to Place an Order
USA Tel. (303) 465-1011