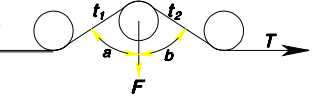


Dynamic Tension Measurement



Multipurpose Model MPH BX3-Series

These tension sensors offer excellent accuracy and resolution. Can be ordered with a single roller or with a 3-roller faceplate. Several standard faceplate widths from 8" to 16" are offered. A variety of rollers make them adaptable to many applications. Some of their uses include wire, cable, rope, chain, tubing, tow and narrow webs. Standard cable with circular mil. spec. connector assembly is included. Vacuum compatible and higher temperature options also available. For dimensions ask for MPH BX3-Series drawings.

VERSATILE TENSION SENSORS

MPH BX3-Series Base Mount Models

Wire - Cable - Rope - Chain - Webs - etc....

Specifications:

Sensor Ranges: From 0 to 100 LB to 0 - 300 LB (Wrap angle dependent.)

Operating Temperature: -40° F to +180° F (Higher temp. options offered.)

Excitation Voltage Recommended: Regulated 5 - 10 VDC

Bridge Resistance: 350 or 1000 ohm nominal

Output Signal: 1 mV/V full scale nominal

Resistance to Ground: Exceeding 500 Megohms

Linearity: Within 0.25% anywhere in full-scale tension range

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

Repeatability: Within 0.25% - 0.5% anywhere in the full-scale tension range

Rollers: Variety of roller types offered

Shielded Cable: Insulated, with braided shield. 10 ft. standard. Other lengths available.

Sensor Housing Material: Typically hard anodized aluminum.

Overload Protection: 50% - 100%, Range dependent.

For Technical Information
Or to Place an Order
Call (303)465-1011