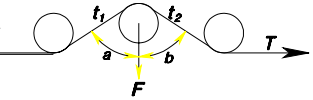


Dynamic Tension Measurement



P/N: MP4-B-37U-500g-10ft. Shown

Multi-Purpose Model MP-B-Series

These three roller load cells offer high performance and low profile installation. A variety of standard rollers make them adaptable to many applications. Some of their uses include wire, filaments, fiber, yarn, tow, cable, tapes, films and other narrow webs. Three standard faceplate widths of 3.0", 4.0" and 5.0" can be ordered to accommodate different roller diameters. For different mounting options ask about our other MP-Series tension sensors.

VERSATILE TENSION SENSORS

MP-Series Base Mount Models

Filaments - Fibers - Wire - Cable - Narrow Webs

Specifications:

Sensor Ranges: From 1 to 5,000 grams

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 (FS) nominal

Resistance to Ground: Exceeding 500 Megohms

Linearity: 0.5% Typical (typ.) anywhere in the full scale (FS) range

Accuracy (Total Error): 0.25 - 0.50% typ. anywhere in the FS range, not to exceed 1% of the reading anywhere in the full scale tension range.

Repeatability: .25% - .5% typ. anywhere in FS range is typ.

Rollers: Variety of standard rollers offered.

Faceplate Options: Three standard faceplate widths available, 3.0", 4.0" and 5.0"

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. In-line connector options also available.

Transducer Materials: Typically Aluminum

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

For Technical Information
Or to Place an Order
Call USA Tel: (303)465-1011 or
tension@tension-measurement.com