

TR SERIES ANALOG TENSION METERS For Fine Wire and Filaments

Quick, easy tension testing for fine wires, filaments, and other materials

- Improves yields and first quality
- Ensures consistency in your manufacturing or testing environments



Dependable, Convenient Tension Measurement

- Quick, easy, one-handed operation
- Lightweight, portable, and compact
- Durable construction
- Measures moving or stationary materials
- Tension ranges from 0 to 5,000 grams
- Equipped with rollers for dynamic or static measurement
- Custom rollers available for specialized applications
- Mounting Bracket allows for continuous, hands-free monitoring (optional)
- Magnetic dampening stabilizes readings
- Right- or Left-Hand Operation
- Corrosion-resistant versions available for damp environments
- Includes carrying case and NIST-traceable calibration certificate
- Warrantied for one year against factory defects

Versatile Tension Measurement for:

- Copper wire (up to 20 AWG)
- EDM wire, magnet wire (up to .8mm)
- Solid steel wire (up to .02", .5mm)
- Stranded steel wire (up to .04", 1mm)
- Yarn, thread, fibers, filaments
- Fiberglass roving
- Carbon fiber
- Fiber optic strands and thin cables
- Film, tape, ribbon (up to 1-1/2", 38mm wide)
- Tubing (up to .2", 6mm)
- And much more!

To Order: Email: Sales@Tensitron.com or Call: 303.702.1980

Tensitron · 733 South Bowen St. · Longmont, CO 80501 · www.Tensitron.com

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Models

Model	Range		Accuracy (+/- 8% full scale)
	Minimum (Grams)	Maximum (Grams)	
TR-25	3	25	+/- 2 g
TR-125	3	125	+/- 10 g
TR-250	3	250	+/- 20 g
TR-1000	5	1000	+/- 80 g
TR-2000	25	2000	+/- 160 g
TR-4000	50	4000	+/- 320
TR-5000	100	5000	+/- 400

Specifications

Material: TR meters are calibrated for a single material. For other materials, the meter will provide a repeatable reference but not a direct tension reading. The standard calibration is a textile filament. For other materials, send Tensitron a sample of your material and request a special calibration.

Dial: TR meters have dial faces with black numbers for the first revolution of the pointer and red numbers for the second revolution.

Accuracy: With standard calibration, accuracy is +/-8% full-scale. Higher accuracy (up to +/- 2%) may be achieved with a special calibration for your material and tension range.

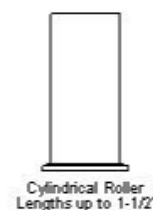
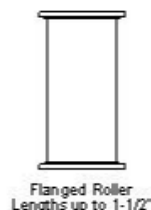
For a digital tension meter that measures multiple materials with +/- 1% accuracy, consider a TX-1

Options

Rollers: Standard rollers are V-grooved for wire and filaments. For other materials, request Option -R and specify flanged, cylindrical, or scooped shape.

Mounting Bracket: with magnetic base, Part No. TR-700.

Corrosion Protection: -RT versions are available with corrosion-resistant components.



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