

Cable Tension Meter | 136-3E

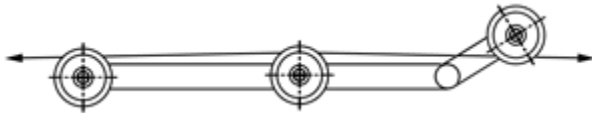
5 Ranges, up 1000lbs / 500 Kg / 5000N
For Wire Diameters up to 0.590" / 15mm

Designed for measuring wires & cables that are anchored/fixed at both ends (closed system) such as guy wires, support cables, tethers and more. Also commonly used on Kevlar, fiberglass and other hi-strength materials when used in a similar applications.

The 136-3E employs a unique roller configuration and measurement scheme to minimize the deflection of the wire/cable. The total wrap angle of the material over the center sensing roller is 3 degrees eliminating all measurement errors!

No other company or product in the world can make this claim!

The material threading pattern (refer to illustration below) insures easy material acquisition and good tactile feedback allowing for excellent repeatability between measurements as well as between different users.



Precision ball-bearing rollers are used to eliminate any error caused by friction. These rollers are mounted on a large mounting plate properly spaced to remove the negative influence normally caused by the inherent rigidity of wires and cable up to 15 mm in diameter (0.590").

Features

- Minimal material deflection eliminates measurement errors
- Wear-resistant, ball-bearing guide rollers eliminate errors caused by friction
- Built-in material diameter compensation for error-free measurements of samples up to 15 mm (0.590")
- Splashproof version of sensor & indicator is offered for use in wet environments (in rain or near splashing water)

Specifications

Accuracy	± 1.5% Full Scale or better
Outer Roller Spacing (c:c)	370 mm
Wrap Angle	3 Degrees
Additional Length Effect	0.12 mm
Mechanical Diameter Compensation	up to 15 mm, max
Guide Rollers	V-Grooved, 47/21 mm (OD/Root Diameter)
Roller Material	Aluminum with Hardcoat Anodize (Hardened Steel, optional)
Overload Protection	200% +
Calibration Certificate	Optional