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Tension Meter CTM

2 Tension ranges up to 9 kN and 45 kN

Electronic wire rope tension meter to determine the tension of pretensioned, non-moving ropes, cables, wires, overhead lines, etc. up to max. 25.4 mm (1 inch) Ø.

This hand-held unit is used for control and comparison measurement of pretensioned, non running ropes.

Tension meter with large easy to read LCD display



Tension meter CTM

Special Features

- Tension meter for rope diameters from 4.75 up to 25.4 mm (3/16 up to 1 inch)
- Switchable units kN, lbf, kgf
- The reading is shown directly in the display; there is no need for comparison tables
- Large easy to read LCD display; the reading is 2.54 cm high



- Delivery includes calibration for one material. Calibrations for 20 different materials can be saved.
- RS 232 interface for data transfer to PC
- Unit with internal memory. Readings can be transferred at a later date to PC
- Automatic zero setting independent to measuring position

Standard Features

- Rugged device, designed for outdoor use
- Telescope handle
- Battery operation

Available Models

| Model | Measuring Range kN | Measuring Range lbf | Measuring Range kgf |
|-----------|-----------------------|------------------------|------------------------|
| CTM-2000 | 9 kN | 2000 lbf | 900 kgf |
| CTM-10000 | 45 kN | 10000 lbf | 4500 kgf |

Guide Rollers

| Model | Rope Diameter mm | Rope Diameter inch |
|----------|---------------------|-----------------------|
| CTM-SH-L | 4.75 - 6.35 | 3/16 - 1/4 |
| CTM-SH-P | 4.75 - 12.7 | 3/16 - 1/2 |
| CTM-SH-S | 6.35 - 19.05 | 1/4 - 3/4 |
| CTM-SH-T | 12.7 - 25.4 | 1/2 - 1 |

Delivery includes one roller set (as requested). Additional roller sets are optional available.

Calibration

We have a large selection of calibration samples. Please send us 3 m of the material to be measured, if our standard samples differ from your material.

To get the highest accuracy for various cable types with the same diameter (e. g. 6 mm 7x7 and 6 mm 6x19), different calibrations should be used.

Calibration Report



Calibration Certificate

Calibration certificate with calibration report is optional available.

Delivery Includes

Tension meter with carrying case including calibration for one material, roller set (as requested), operating instructions in english

Dimensions

For PDF-file please
click picture

Specifications

| | |
|---------------------------|-------------------------------------|
| Accuracy: | ± 3 % full scale |
| Measuring unit: | N, lbf, kgf switchable |
| Material diameter: | 4.75 - 25.4 mm (3/16 - 1 inch) |
| Display: | LCD 2.54 cm high, full text prompts |

| | |
|---------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Numbers of calibrations: | Up to 20 calibrations can be saved |
| Resolution: | CTM-2000: low (50 N/10 lbf/5 kgf), middle (20 N/5 lbf/2 kgf), high (10 N/2 lbf/1 N) CTM-10000: low (200 N/50 lbf/20 kgf), middle (100 N/20 lbf/10 kgf), high (50 N/10 lbf/5 kgf) |
| Power supply: | 2 batteries, size AA |
| Temperature range: | -20 - 60 °C |
| Dimensions: | 61 x 24 x 8 cm |
| Weight, net (gross): | Approx. 5.7 kg (approx. 9.5 kg) |

Specifications subject to change without notice!

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