

Electronic Tensionmeter COMBI – 490 M600
Measuring static forces


- Description:** Electronic tensionmeter, battery-operated, for short-time measurement, one - hand - operation, direct reading of measured value on the digital display. Easy threading into material. Measurement of pretensioned cables.
- Areas of use:** Tension measurement on guy ropes and similar applications, up to a diameter of 18 mm.
- Specifics:** The measured cable is fixed with two clamps on the cable guides and the measured value can then be read, independently of the diameter, on the digital display.
- Nominal loads:** 50,0N, 100,0N, 199,9N, 300N, 500N 1000N and 1999N
- Overload protection:** Depending on nominal load: 300% to 500%
- Display:** digital LCD - display, 3 ½ digits, height 10 mm, 3 measurements / sec.
- Peak value display:** OPTION: At the push of a button only peak values are indicated.
- Damping:** A damping can be switched on for smooth measurement value indication.
- HOLD- function:** At the push of a button the last-indicated value is hold.
- Material guides:** Standard: 2 clamping devices for clamping the rope made of brass. Other clamping devices available on request.
- Guides spacing:** X = 180mm for measuring wires, up to 480 mm for measuring cables; can be customized according to measuring task.
- Calibration:** Factory calibrated. Calibration can be effected and controlled by the customer.
- Meas. error:** Error of integrated measuring system: <0,5 %
- Zero adjustment:** Balancing of measuring roller weight by turning knob.
- Damping:** A damping can be switched on for smooth measurement value indication in case of fluctuant tensile tensions.
- Output signal:** Analogue output signal 0 to +1V corresponding to 0-100% of nominal load.
- Power supply:** 9 V battery, type 6LR61, battery control by lamp. Operating time approx. 75 hours with an alkaline battery.
- Housing:** Material aluminium alloy
- Weight:** Ca. 600 grams up to ca. 1000 grams according to design.
- Included in delivery:** Combi 490 in plastic-box, Instruction-manual, 9 V battery, Output connector
- Available in addition:** Rechargeable battery 9V, with charging device