CABLE TENSIOMETER
KIT HF 45/LPT

Application field:

These tension meter models have been specifically designed to measure the tension of preloaded cables without the need to install an in-line dynamometer or dismantle the setup for measurement. They are calibrated to accurately measure the forces applied to cables used in lifeline systems.

Operating principle:

Tensile force measurement using strain gauges. The deflection of the cable acting through the tension meter generates a tangential force proportional to the tensile load applied to the cable. The deformation produced by this force is measured by a strain gauge bridge integrated into the sensor.

Technical specifications:



Capacity: 50 to 600 daN
Cable diameter: 8 to 12 mm
Weight: 2.1 Kg
Sensor material: Aluminum
Overall error: +/- 2 à 5% of full scale
Power supply: 2 x CR123 (3V) batteries
Battery life: +/- 100 hours
Operating temperature: -20° to +60°C
Protection rating: IP 65

Kit contents:

- 1 HF45/LPT tension meter
- 1 waterproof carrying case
- 1 user manual
- 2 CR123 batteries
- 1 USB key containing the **Loader Light** software
- 1 USB–mini USB cable

Options:

Specific Calibration: The standard database includes a series of cables and contact wires identified by a “calibration reference.” Each number corresponds to a calibration performed on the associated cable. The database can be expanded with specific cables or ropes — a sample of each cable type is required, and the calibration results will be added to the database.

PC Software: All our devices are supplied by default with a data management software called Loader Light, which allows visualization and transfer to PC of the measurements stored in the display memory. Other available software options include:

- Loader Tech: add remote calibrations
- Loader Full: add remote calibrations and manage stored data
- Monitor: perform real-time data acquisition

Dimensions:





