CABLE TENSIOMETER
KIT HF 37/LPT

Application field:

These models of tension meters have been specially designed to measure the tension of installed cables without having to insert an in-line dynamometer or dismantle the installation to take measurements.

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. The signal generated by the strain gauges is then processed by the associated electronics and displayed on the LCD screen.



Technical specifications:

Capacity	: 100 à 5000 daN (see below)
Cable diameter	: 5 à 16 mm (see below)
Material	: Aluminum 7075
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 HF37/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

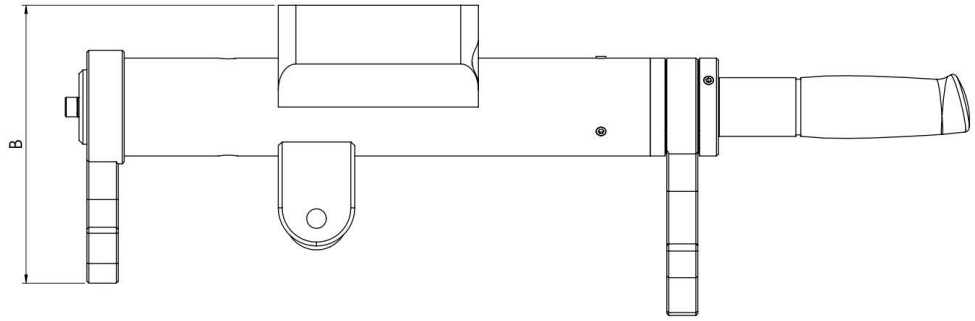
Options:

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 Loader Light, data management software that allows visualization and transfer of recorded measurements to a PC.
Other available software includes:

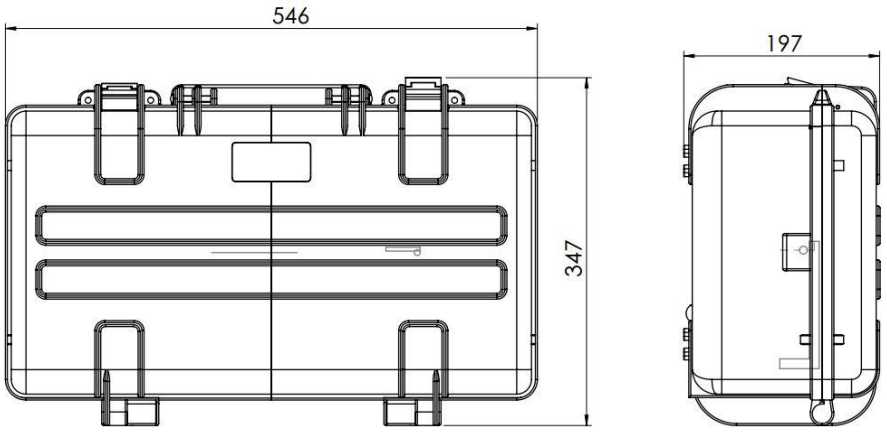
- Loader Tech: for adding a calibration remotely
- Loader Full: for adding a calibration remotely and managing recordings
- Monitor: for real-time data acquisition

Models and characteristics:

Models	Capacity (daN)	Diameter (mm)	Dimensions (mm)			
			A	B	ØC	Weight
HF37/1/LPT	100 à 1500	4 à 13 mm	450	142	50	2,1 Kg
HF37/2/LPT	250 à 3000	5 à 16 mm	470	142	50	2,4 Kg
HF37/3/LPT	500 à 5000	5 à 16 mm	620	142	50	2,7 Kg



HF37/1/LPT & HF37/2/LPT case



HF37/3/LPT case

