

DYNALINE – HF37/1B



Equipment
compliant with
CE directives

**Operating and
maintenance
manual**

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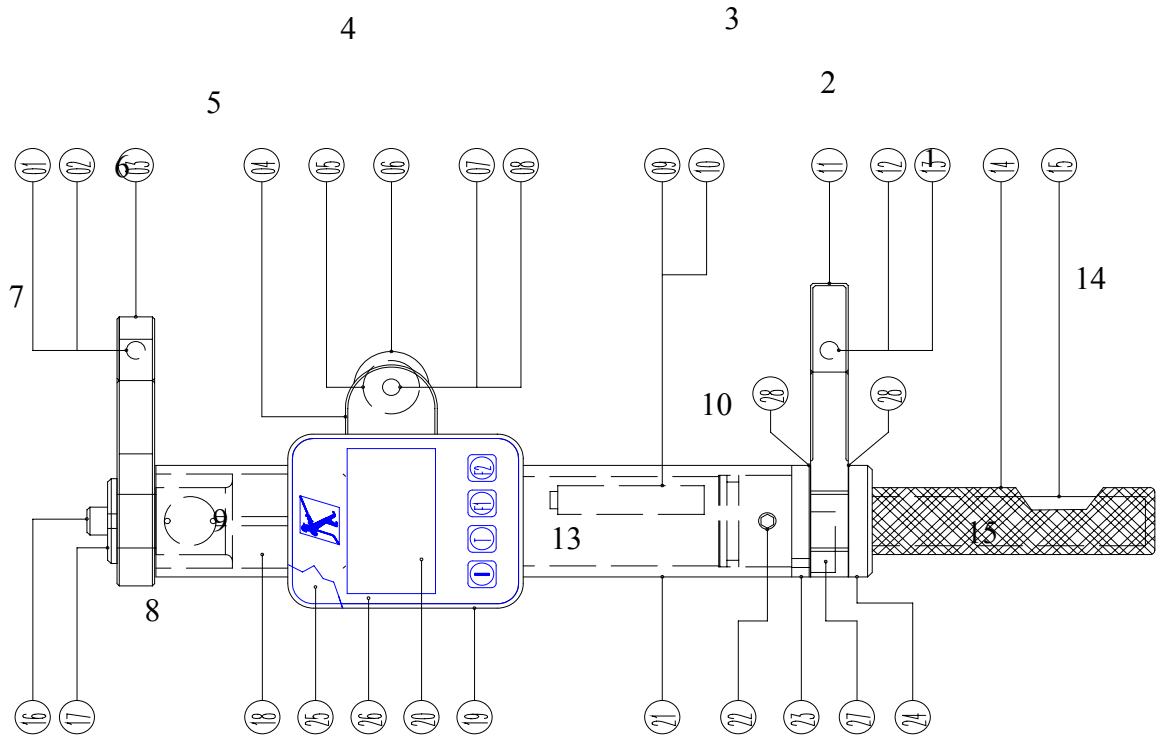
PRIORITY INSTRUCTIONS

- 1- To get the best use of the sophisticated technology provided by the equipment which you have just purchased, you must carefully read and understand the technical sheets covering this equipment. All our technical sheets are available on request.
- 2- Before installing and using your TRACTEL equipment, you must read this manual and carefully follow all the instructions given. Keep this manual in a safe place. Additional copies can be supplied on request.
- 3- TRACTEL equipment must only be installed and used in full compliance with all applicable safety and health rules.
- 4- Never apply a load exceeding the maximum utilization load to the sensor and never use the sensor for any operation for which it is not intended.
- 5- TRACTEL declines any responsibility for the consequences resulting from disassembly of a unit or any change made to a unit without its authorization and supervision (loss of warranty).
- 6- TRACTEL equipment must not be used in an explosive atmosphere.
- 7- The compatibility of the utilization coefficients with respect to applicable regulations must be verified before any TRACTEL equipment can be used in a line used to lift personnel.
- 8- An analysis of the risks specific to the operating functions implemented must be carried out prior to any use of the sensor with additional equipment relaying their signals to an operating system. This analysis should be carried out either by the user or by the system installer. Appropriate measures must be taken to control all risks identified.

DESCRIPTION AND MARKINGS.

Dynaline HF 37/1B

FIG 1



01	Compression pin	15	Aluminium handle
02	PVC cover	16	Support fixing screw
03	Fixed hook	17	Aluminium washer
04	Central support	18	Load cell
05	Needle bearing	19	Housing for electronics' components
06	Stainless steel wheel	20	Electronics' components
07	Rectified pin	21	Main body
08	PVC cover (2)	22	Screws (3P)
09	Support for alkaline cell type « AA »	23	Centring collar
10	3 Alkaline cell type « AA »	24	Ring for tilting hook adjustment
11	Tilting hook	25	Polycarbonate cover
12	Compression pin	26	Sticker
13	PVC cover	27	Tilting hook spring
14	Rubber handle cover	28	Stainless steel washer

Keyboard functions :  ON/OFF Or OUT  Entrer  Function 1  Function 2

DESCRIPTION

This electronic load cell has been designed to measure the effort applied in a wire rope, in particular for safety line installation . The resulting signal is used in a digital monitor controlled by a microprocessor, which corrects the force information according to the wire rope specification.

CHARACTERISTICS

Capacity	: from 50 to 600 daN
Types of wire ropes	: Steel and stainless steel
Number of wire ropes	: 7 different wire ropes are recorded in a database
Wire ropes diameters	: 8 to 12 mm
Accuracy	: +/- 2% of full scale
Power supply	: 3 AA Alkaline cell
Autonomy	: 200 h
T° of use	: -5°C to + 50°C
Protection	: IP 53
Weight of the tool	: 2,2 kg (3,2 packed)
Transport box	: 485 x 180 x 130 mm weight : 1 kg

STANDARD DATABASE (Others wire ropes under request)

Reference	Diameter	Structure
1	8mm	8 x 19
2	8mm	7 x 19
3	8mm	6 x 19
4	8mm	1 x 19
5	8mm	1 x 7
6	10mm	7 x 19
7	12mm	6 x 36

The Dynaline has been calibrated to measure wire ropes horizontally fixed.

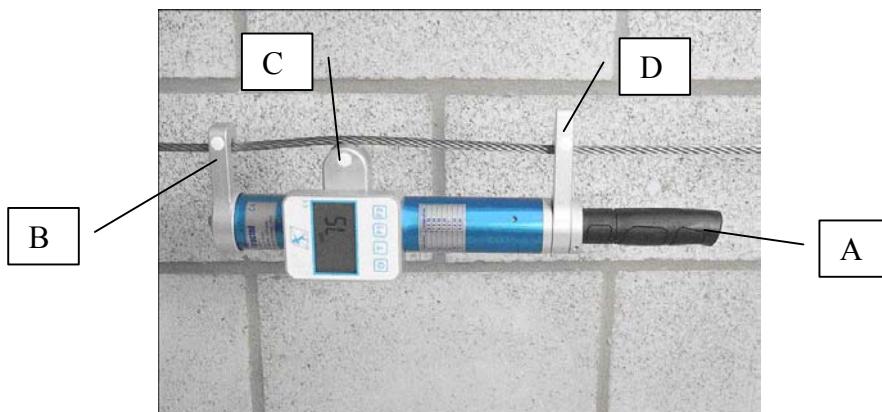
OPERATING INSTRUCTIONS

Set up the Dynaline according with the wire rope to measure.

Orders	Actions	Display
Turn the Dynaline ON	Press "ON/OFF"	0
Go to the menu	Press "ON/OFF"	rOPE
Accede at the database	Press "T"	1
Choice a wire rope (see sticker)	Use keys "F1" and "F2"	2 / 3 / /7
Valid your choice	Press "T"	rOPE
Finalize the set up	Press "ON/OFF" The Dynaline is ready for use.	0

Install the Dynaline onto the wire rope.

NOTE : The Dynaline has been calibrated to measure wire ropes horizontally fixed.



1. Hold of the Dynaline by the rubber handle A.
2. Hang the hook B onto the wire rope.
3. Lift the handle in order to put the wheel C in contact with the wire rope.
4. Continue the movement till the hook D hooks automatically onto the wire rope.
5. Release the handle of the Dynaline.
6. The effort value is displayed on the screen.

Remove the Dynaline from the wire rope.

1. Hold of the Dynaline by the rubber handle A.
2. Pull the Dynaline towards the wire rope and release, by rotation, the hook D from the wire rope.
3. Let the Dynaline handle going down and free the hook B from the wire rope.

TURN THE DYNALINE "OFF" BY PRESSING "ON/OFF" FOR 3 SECONDS

ALKALINE CELLS REPLACEMENT

Turn the Dynaline OFF.

Unscrew the three screws (FIG 1 / 22) using the supplied Allen key.

Gently pull the handle mechanism out off the main body.

Remove the alkaline cells support from the tube.

Replace the three alkaline cells, respect the polarity and let the false cell in place.

Put the support back into the tube.

Insert the handle mechanism back in its place. (use guide pin for accurate position)

Lock the three Allen screws.

UPKEEP


The DYNALINE does not require any special maintenance.

When the DYNALINE is used under rain, we recommend that you wipe it off and dry it before placing it in its case.

CALIBRATION

The DYNALINE is supplied with a « CE » certificate and a calibration certificate. Since this is a measurement and control device, an accuracy check should be performed every 12 months.

MESSAGES

byE	Unit switched off
rOPE	Access to the set up menu
1 à 7	Reference of the wire rope according to the sticker information
----	Sensor signal too high
----	Sensor signal too low
daN	Measurement unit
	Alkaline cells discharged