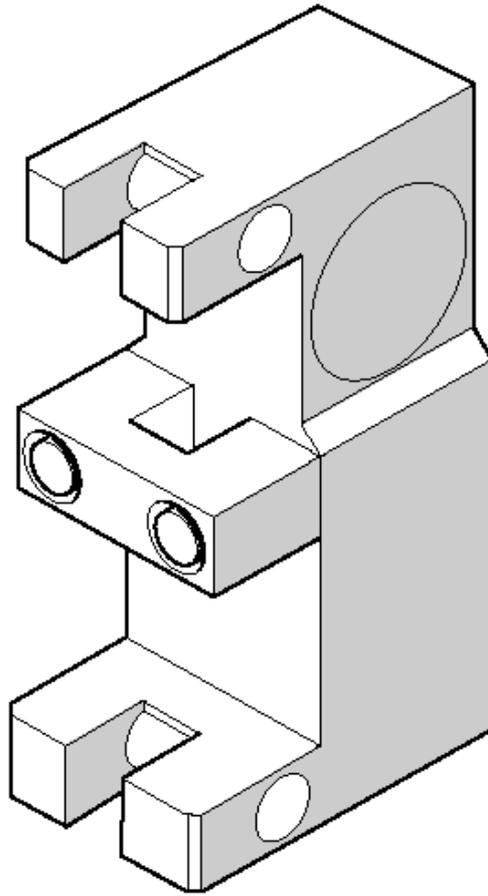


Electronic load cell HF 35



Equipment in
accordance with
CE directives

**Operating
and
Maintenance
Instructions**

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GENERAL WARNING

- 1- Reading and fully understanding the technical data sheets relating to this equipment is essential for the best use of this high technological material that you have received. All the technical data sheets are available on request.**
- 2- Before installing and operating Dynasafe® equipment it is essential for the safe and correct operation of the material that this manual be read and fully understood and that all the instructions be followed. This manual should be made available to every operator. Extra copies of this manual will be supplied on request.**
- 3- The installation and operation of Dynasafe® equipment should only be carried out in accordance with the appropriate health and safety at work regulations.**
- 4- Never apply to the Dynasafe® a load or an effort in excess of the working load limit, and never use it for an operation for which it is not intended.**
- 5- TRACTEL SAS declines any responsibility for the consequences of dismantling or altering the machine by any unauthorised person.**
- 6- Dynasafe® equipment must not be used in explosive atmospheres.**
- 7- Dynasafe® equipment must only be used in a system designed for lifting people after ensuring that the appropriate operating coefficients have been used in accordance with the current regulations.**
- 8- Prior to the use of Dynasafe® equipment with complementary equipment relaying the signals to an operating system, the user or installer of this system should carry out a specific risk analysis of the operating functions. The appropriate measures should be taken to obviate the risks identified.**

INSTALLATION OF ELECTRONIC LOAD CELL HF 35

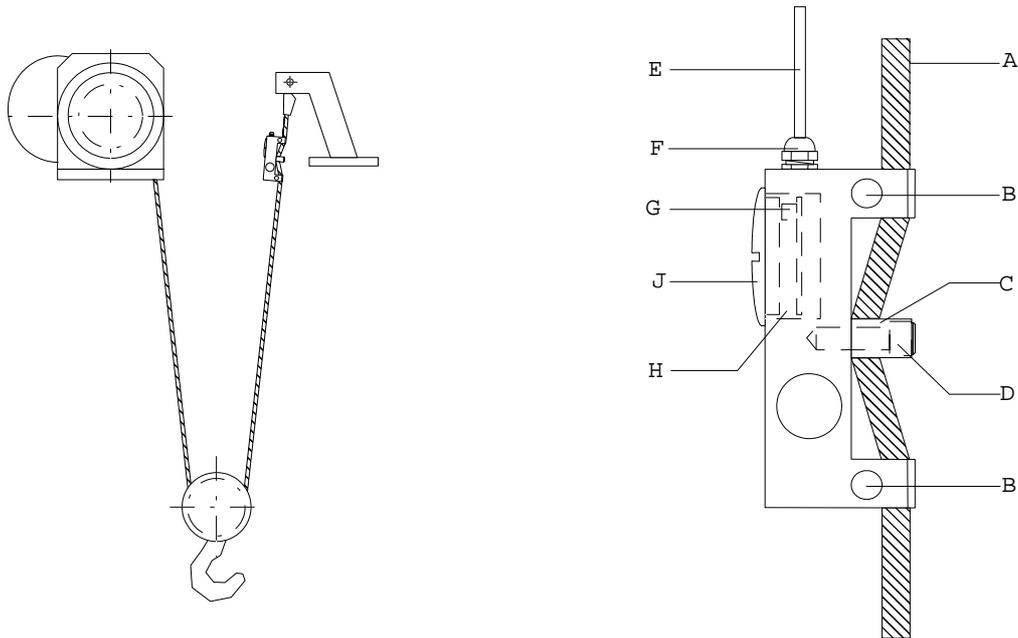


Fig. 1

General set up for the load cell

A – Wire rope	D – Fixing screw for bracket	G – Connection terminal
B – Guide support	E – Connecting cable	H – Electronics housing
C – Wire rope fixing bracket	F – Cable gland	J – Inspection cover

Procedure for installation of the load cell

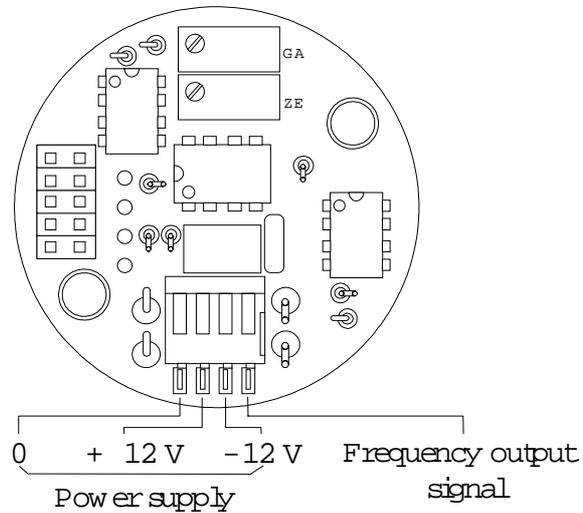
Essential condition : the hook of the lifting system should be free of any load.

- Remove the wire rope fixing bracket (C).
- Fit the load cell onto the wire rope near the dead end, with the connecting cable uppermost.
- Refit the wire rope fixing bracket (C).
- Adjust the fixing screws (D) symmetrically (+/- 1 kgm) to ensure that there is no risk of the load cell sliding along the wire rope.
- Operate the lifting system up to the upper limit switch and ensure that the sheaving or bottom block does not foul the load cell. (If it does, readjust the upper limit switch so that there is an appropriate distance between the load cell and the bottom block. Also ensure that when the bottom block is in the upper position the load cell is not in contact with the overhead crane.)
- Wire the load cell correctly into the control box. Secure the cable.

Connection : see the monitor manual or display associated with the load cell.

LOAD CELL CONNECTION

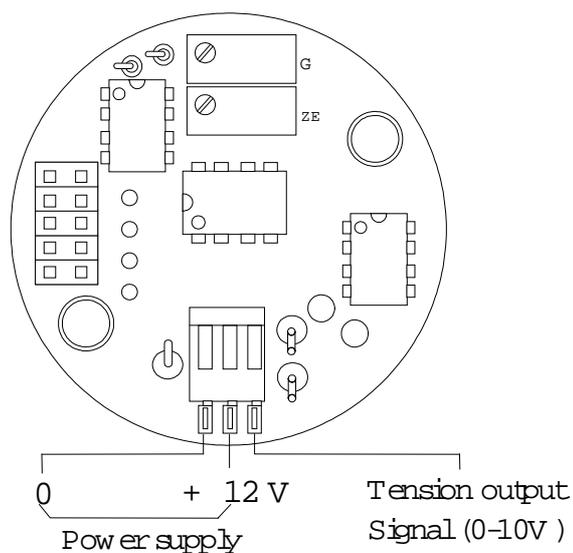
1) Frequency output (Standard Dynasafe)



Electronic equipment combined with:

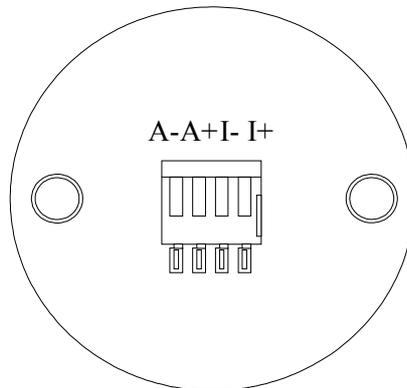
- HF 80/1 and HF80/2 monitors
- HF 87/1 – HF 87/2 – HF 87/3 displays
- HF83/2 and HF83/4 sum units

2) Tension output (Option)



LOAD CELL CONNECTION

3) Strain gauge bridge output (Option)

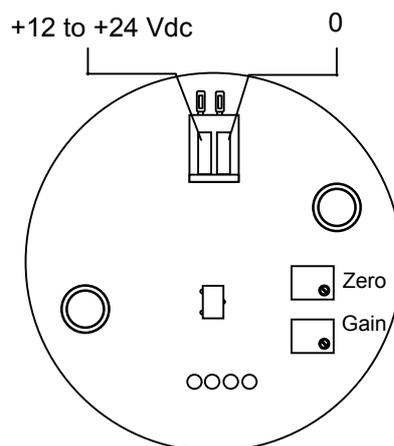


If the axle is kitted out for a plug (LUMBERG), connectors are marked as following :

N°1	BROWN	A+
N°2	GREEN	A-
N°3	YELLOW	M+
N°4	WHITE	M-

Remark : Electric connection between the load cell and control equipment will have to be made with a shielded cable (4 x 0,34 mm²).

4) 4-20Amps 2 wires output (Option)



Possible power supply between 12 and 24 Vdc.

NOTES :