

Products

Tension Load cells / Tensiometers

EMHA has developed a complete range of Techno Fysica™ tension load cells. These force measuring pins are designed to measure a tension force at the cable attachment to a pad eye construction or particularly at the end of a wire rope attached by means of shackles. Our sensors are compound filled and sealed, for the best protection against potential leakage, EMC and long lifetime performance.

Tension link load cells specially designed for standard shackles. As Load links are to be mounted on fixed cables the tension force and the cable connections (shackles size) are to be determined in order to choose the required tensiometer

Features and benefits of Techno Fysica™ Tension link load cells

- Robust design for use in severe and hostile environments
- High tensile, high grade aluminium.
- Easy to install/retrofit
- High levels of environmental protection
- High accuracy
- Internal antenna for added protection
- Cost effective alternative to standard load cells
- Long life design
- Bevelled loading holes to minimise torsional effects
- Single or redundant bridges

- Capacity 1 to 1400 t.
- Protection class: IP66 (IP 68 on request)
- Complete range of CE certified electronics, load limiters and displays available for your application
- Cable length: 5 m (other lengths available on request)
- Subsea cable connection
Depth: up to -3500 m (350 bar)- deeper on request

Available options

- Cabled or wireless
- Frequencies : from 2.4000 to 2.4835 GHz
- Power : 10 mW, license : exempted
- Range : 500 m open field (antenna integrated)
- Sleep mode, remote wake-up mode, remote control of batteries
- Not appropriate for overload protection

Field of applications

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- Offshore Drilling / pipelaying / cable laying / Renewables / production
- Dredging
- Towing
- Trenching
- Cranes handling
- Winches / Mooring systems
- Construction
- Testing equipment
- Directional drilling





EMHA Monitoring uses its expertise to custom design and manufacture load cells according to clients' specific applications. We provide an in-house health check, repair, refurbish and calibration service for any brand and type of load cells with fully traceable calibration certificates.