

Products

SUBSEA products

Subsea load pin / Shear pin load cells / Tension load cells

EMHA has developed a complete range of Techno Fysica™ Subsea shear pin load cells. These force measuring sensors are designed to measure a shear tension compression or tension force or constraint. Our sensors are compound filled and sealed or pressure compensated designed according to the required specifications for our clients' applications.

Features and benefits of Techno Fysica™ Subsea load cells

- Sturdy design for use in harsh and challenging environments
- Easy to install/retrofit
- High levels of environmental protection
- High accuracy
- Long life design
- High tensile stainless steel
- Wide range of sensor variants
- Single or redundant bridges

- Capacity 1 to 500 t.
- Depth: up to -3500 m (350 bar)- deeper on request
- Protection class: IP68
- Complete range of CE certified electronics, load limiters and displays available for your application
- Subsea cable connection
- Cable length: 5 m (other lengths available on request)

Available options

- Cabled or wireless or integrated display
- Radial or axial cable exit
- Connector on client specification if required
- Dual bridge output (A & B strain gauge bridge network) for redundancy
- Bi-directional measurement (X and Y direction)
- Amplified output (Analogue or digital)

Field of applications

- Offshore Drilling, pipe laying, production
- ROV handling
- Testing equipment Offshore Drilling / pipelaying / cable laying / Renewables / production
- Dredging
- Towing
- Cranes handling
- Winches / Mooring systems

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.

