



## Subsea & Specialist Load Cells

Water Weights can offer a comprehensive range of load cells with capacities from 5kg to 3,000,000kg. These are selected according to application, client preference and proven field performance.

Our range of load cells include:

- Compression
- Bending Ring
- Pin
- Single Point
- Bending Beam
- Single & Double Shear Beam
- Tension
- Tension & Compression
- Custom



These are constructed from specially treated alloy and stainless steels. Sealing categories range from IP56 through to a fully submersible grade suitable for use in deepwater applications. Full approval for OIML and hazardous applications are also available. With all force measurement applications using strain gauge load cells, the mounting and loading is critical to the accuracy and overall success of the application. Water Weights can offer guidance at the outset of a project, enabling clients to achieve optimum gains from their investment.

### **Load Cell Mounting Units**

Water Weights can also provide a wide range of load cell mountings and attachments. These maximize the benefits of load cell usage, whilst minimizing any possible damage to the unit through incorrect use. Using mounting units ensures correct loading of the load cell as well as providing useful features such as overload and overturning protection. To complement this comprehensive range of load cells and mounting units, we can also offer a full range of microprocessor and non-microprocessor instrumentation.

### **Typical Application**

A typical oil and gas load cell application, which may require a fully submersible load cell, is the measurement of tension in the tethers of an offshore floating platform.