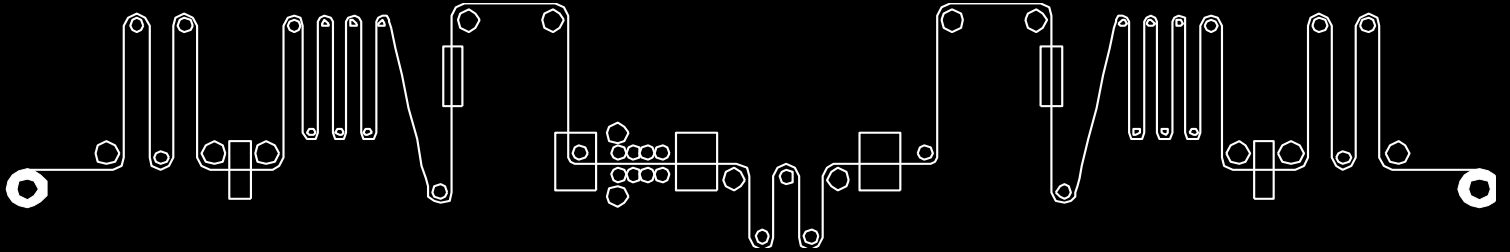




Water Weights

A Unique Group Company

Product Report



Load & Force Measurement

The need to accurately measure load, strain and force, or a combination of these, is an essential requirement for a significant number of industrial, aerospace and marine applications.

Whether it is weighing ingredients in a food blending process, measuring fuel weight during the filling of an orbital satellite or measuring strain in a marine riser, the Company provides a reliable and cost effective solution.



Application explained

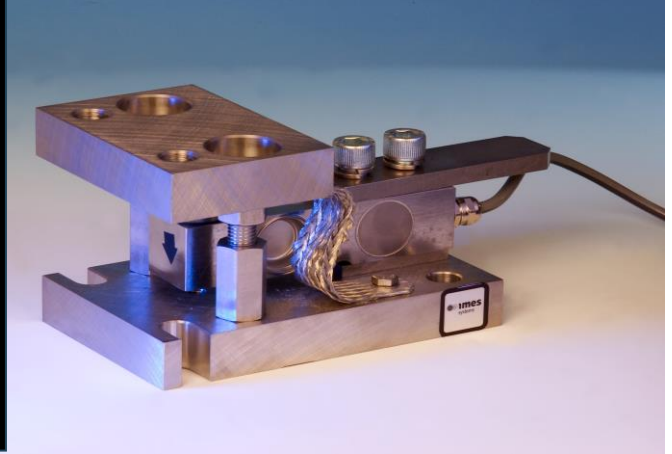
The applications are numerous and incorporate standard and bespoke designs, which interface exactly with the client's equipment or process. Applications include:

- contents weighing of vessels, tanks, bins, silos, reactors and presses
- tension measurement in tethers, anchor and mooring lines, risers and umbilical
- mass measurement of slabs, billets torpedo cars, ladles and tundishes
- strain measurement in structures, solid risers, strip and wire, and textiles



Benefits to client

- equipment and systems supplied are designed specifically for the application – the client is therefore afforded with minimum risk and maximum benefit
- equipment is selected from either a comprehensive range of standard products or designed specifically to suit the client's needs
- during selection and design of the equipment, engineers will consider all defined interfaces between the device being measured and external forces.



Technical Specifications

- standard load cells (capacities from 1000N to 25MN)
- subsea load cells
- digital load cells
- load cell mounting units
- high capacity and special weighbridges
- weighing platforms
- line tension meters
- zoned line tension meters (for use in hazardous area application)
- telemetry links and shackles
- load pins
- instrumentation
- hazardous area instrumentation
- strain gauging

