

SmartLoad 2Ex[®] Boss mooring link



The innovative SmartLoad 2Ex[®] boss mooring link delivers accurate load monitoring results in real-time.

Incorporating our award winning SmartLoad 2Ex[®] technology, the newly developed links offer an improved solution in monitoring mooring line stresses.

The addition of monitoring technology on to the links provides crucial loading data which reduces the possibility of mooring lines breaking and increases the safety of staff and vessels.

Features and benefits

- Safety assurance - automated overload monitoring
- SmartLoad 2Ex[®] handset - no need for on-site laptop
- Uniquely incorporates intelligence on the link and handset giving total system control and flexibility
- Standard SmartLoad[®] software - upgrades are available
- Significantly increased range and signal reliability over existing industry standard technology
- No training required - 'plug-and-play' system
- No pairing required - 'select and connect' technology



How it works

Suitable for use in both safe and zone two hazardous areas, the links store data on internal memory and results are automatically exported and displayed in an easy to read format, ready for sharing.

Typical specifications	Wireless	
Rated load	28 tonne	50 tonne
Proof load	2.5%	2.5%
Non-linearity	< ± 1% of full scale	
Non-repeatability	< ± 0.05% of full scale	
Zero balance	< ± 0.05% of full scale	
Environmental protection	IP68 to 30m*	
Safety factor	3x	
Operating temperature	-25°C to +70°C	
Storage temperature	-30°C to +80°C	
Output signal	Wireless	
Data logging	On load cell	
Battery type	2 x AA	
Active battery life	Up to 200 hours	
Standby battery life	Up to 1400 hours	
Frequency	2.4Ghz ISM	
System range	In excess of 50m	
Sampling rate	10Hz (500Hz max)	

* Will log subsea ready for data collection above surface via wireless dongle