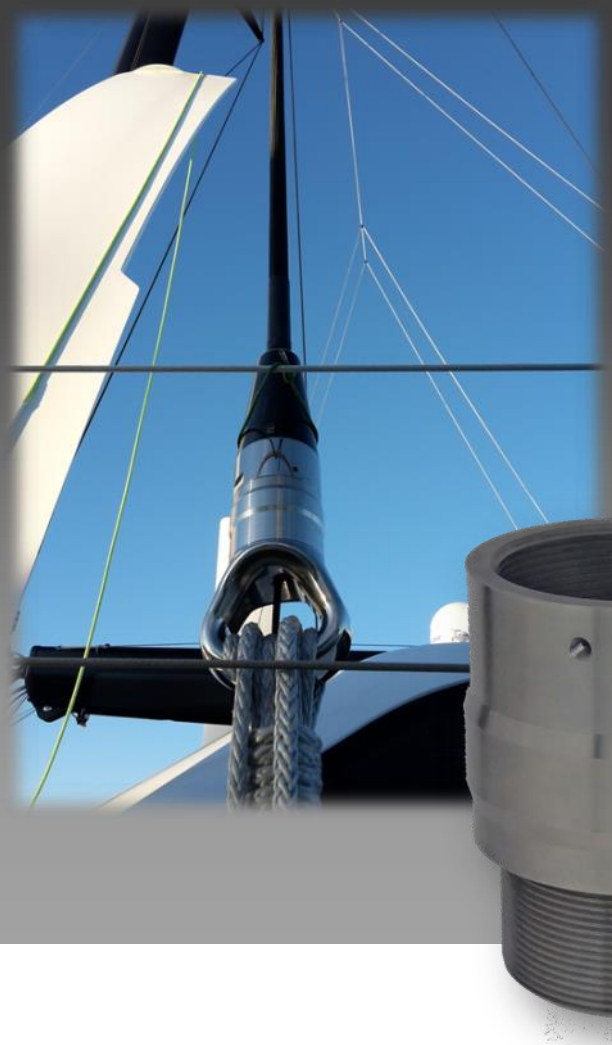
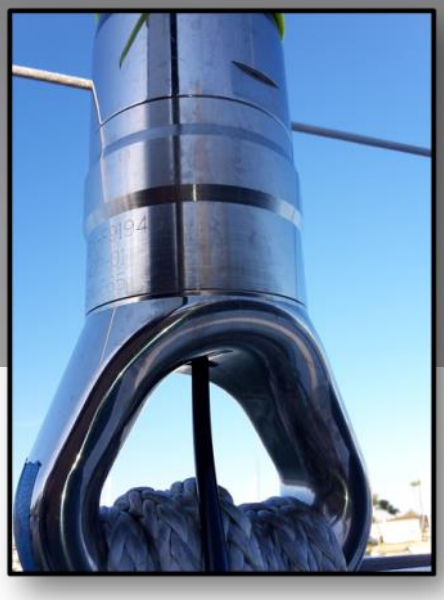
Ocean Data System
Electronic Marine Solutions

ILSense

Inline Load Sensor



The best way to measure strengths on the cables with lashing fastening and threaded fittings



The ILSense is inserted between the tapped end of the cable and the thread of the end fitting.
The only modification to do from the standard cable and fitting is a Ø6mm hole a long the axis of the fittings threaded end for the sensor cable exit.
According to the mechanical requirements, the sensor body is either made of stainless steel 17.4PH or Titanium.
The ILSense range is unlimited. Each sensor is built upon request and is designed according to the cable specifications and load requirements.

UpSideUp 100% compatible

Loadcell features	
Output signal : No amplifier Amplifier embedded	 mV/V 0-5v / 0-10v / 4-20mA
Supply voltage range Amplifier embedded	 8.5 to 28 or 13 to 30
Static overload	150%
Linearity Hysteresis	< ± 1% full scale
Compensated temp. range Zero shift within CTR Sensitivity shift within CTR	0°C to +60°C < 0.5% full scale / 50°C < 1.5% of reading / 50°C

Mechanical features	
Size	According to the cable specs. Just few centimetres extra length
Working load and breaking strength	Match the cable and fittings specification
Material	Stainless steel 17.4ph or Titanium
Environmental features	
Protection rate	IP 68
Running temperature	-5°C to +50°C