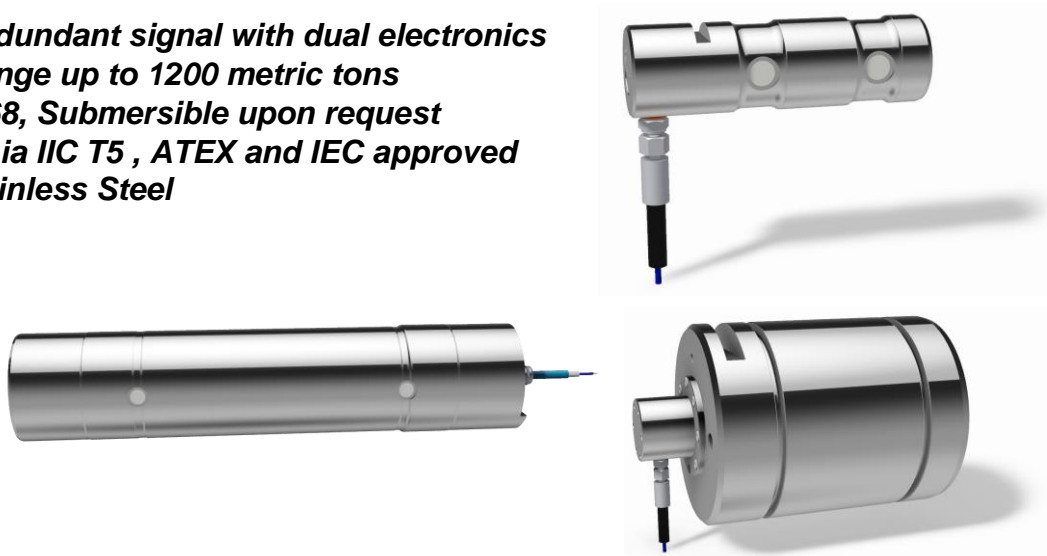


OEM Shear Pin Load Cell

LS-3010-SP Series

Robust designs manufactured specifically for use in harsh and challenging environments offshore, such as platforms, ships, rigs and drilling applications

- ✓ **Redundant signal with dual electronics**
- ✓ **Range up to 1200 metric tons**
- ✓ **IP68, Submersible upon request**
- ✓ **Ex ia IIC T5 , ATEX and IEC approved**
- ✓ **Stainless Steel**



The LS-3010-SP is a well proven 4-20mA output Shear pin Transmitter with fast response time, high accuracy and long life time performance in harsh and hazardous environments.

The electronics are molded and encapsulated inside the sensor, proven to be the best solution for EMC, potential leakage and long lifetime performance.

More than 1000 custom designed version are stored in our database. Huge flexibility in design and a long record of field proven solutions has made these sensors popular among customers in the gas and oil industry.

Typical Applications are:

- ✓ **Offshore Drilling**
- ✓ **Offshore Production**
- ✓ **Cranes**
- ✓ **Winches**
- ✓ **Mooring systems**

The sensor is digitally calibrated with an analogue 4-20mA output signal in a two conductor configuration.

Technical information

Full scale load	0 - 5T... 1200T
Maximum load at 20°C (Test Load)	0T ... 25T Full scale range x 2 25T ... 180T Full scale range x 2 to x 1.33 180T ... 1200T Full scale range x 1.33
Temperature Range	-20°C to 80°C
Linearity	± 0.5% of full scale
Total accuracy at ambient temperature:	± 1% of full scale
TCS (Thermal Compensated Sensitivity)	Typical 0.03% full scale x (temp. - amb)
Output Current	4-20mA, Current Loop
Supply Voltage	12-28 VDC
Electrical connection	2 wire
Response time	Less than 13ms
Power supply regulation	Yes
Voltage Spike Protection	Yes
Polarity protection	Yes
Insulation test	50 V DC (RMS) > 1GΩ
Sealing	IP68 / Submersible upon request
Material	Stainless steel
Intrinsic Safe Code	Ex ia IIC T5 Ta: 80°C (acc. To ATEX 94/9/EC) Ex ia IIC T5 Ga Ta: 80°C (acc. To IECEx)

Note: Due to continuous product improvement, published specifications may change without notice.

Electrical connection options

Cable:

- ✓ Hydraulic hose protected cable for tough environments
- ✓ Cable BFOU(i)
- ✓ Cable ÖLFLEX
- ✓ Cable MOR Polyrad
- ✓ Cable Subsea

Connector

- ✓ Gisma (titanium)
- ✓ Souriau (brass)
- ✓ Souriau (nickel-chrome coated brass)
- ✓ Glenair (stainless steel)

ScanSense AS is a Norwegian company specializing in design and manufacturing of high quality sensor solutions for pressure, load and force. The company has more than 28 years of experience of making tailor-made solutions for the oil and gas industry.

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