

Roxar subsea SenCorr SE sensor

intrusive sand & erosion sensor
- 10,000 psi / 690 bar

Data Sheet



Subsea Sand and Erosion (SE) Sensor

Erosion is measured with high accuracy and rapid response to sand production. Four independent sensing elements operate on the electrical resistance principle. The elements measure increased element resistance as they are exposed to sand erosion.

For additional Pressure and Temperature measurement, refer to SenCorr SEPT data sheets.



INTERPRETATION



MODELING



SIMULATION



WELL & COMPLETION



PRODUCTION & PROCESS

Specifications - SE 10,000 psi

Interface Details - Mechanical

Connection type to pipe:

- Integral flange API 6A 6BX 2 1/16" 10,000 psi, PSL3, PR1, Duplex ASTM A182-F51
- Ring gasket BX 152 CRA Inconel 625 (UNS N06625) all wetted parts
Temperature range: KX
Material class: HH

Connector type:

- Duplex (UNS S31803) top cover with interface to Tronic, ODI or Omnitec Anguila interface

SE probe material:

- Inconel 625 (UNS NO6625)

SE element thickness:

- 1000 µm

SE element thickness, reference:

- 500 µm

SE element material:

- Monel 400

Sensor weight:

- Approximate 31 kg

Interface Details - Electrical

Power supply:

- 24 VDC (10 to 32 VDC)

Current consumption:

- Maximum 150 mA at 24V
At idle 60 mA at 24V

Interface Details - Logic

Communication protocol:

- ModBus, ProfiBus, CanBus, Roxar CorrOcean Native Protocol

Communication to subsea control system:

- RS485

Specifications

Design water depth:

- 3,000 meters / 10,000 feet

Design life:

- 25 years

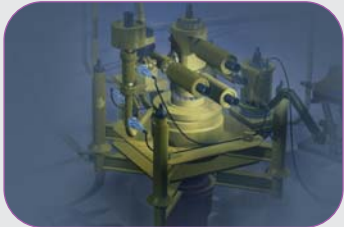
Maximum shock:

- 10 g, 11 ms half sine (all 6 axis)

Maximum vibration level:

- Frequency range 5-150 Hz, 5-25 Hz: ±2mm, 25-150 Hz: 5g

**Roxar subsea
SenCorr SE sensor**



www.roxar.com

For further information please contact your regional office or email: info@roxar.com or visit www.roxar.com.

Scandinavia
CIS
Europe/Africa
America

Tel: +47 51 81 88 00
Tel: +7 495 504 3405
Tel: +44 1224 411 200
Tel: +1 713 334 2222

Middle East
Asia Pacific
Australia

Tel: +973 17 517 111
Tel: +603 2162 4450
Tel: +61 8 9315 9500



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