

IsoPod PT

Pressure Transmitter G2

- ✓ **4-20mA Subsea Pressure Transmitter**
- ✓ **Ranges 0-300bar, 0-550bar, 0-800bar 0-900bar**
- ✓ **Designed for 4000 m depth**
- ✓ **Dual / Redundant Signal Option**
- ✓ **30 Years Design Life**
- ✓ **ISO 13628-6 Compliant**
- ✓ **High Total Accuracy < 0.5 % FS**
- ✓ **Fast response time**
- ✓ **2.nd barrier containment pressure**
- ✓ **EB welded diaphragm**



The IsoPod PT is the ultimate solution for fast response, high accuracy and long life time performance.

Our thin-film strain gauge measuring technology sputtered on the Hastelloy diaphragm is superior at both dynamic and static measurements for long life time and high pressure applications. Mechanical parts made in Inconel 625 ensure superior strength and excellent material properties.

Highly skilled personnel manufacture, calibrate and perform extensive ESS-tests according to established procedures.

The IsoPod PT is digitally calibrated and temperature compensated with two channels with an analogue 4-20mA output signal.

Extensive pressure & temperature cycling tests guarantee this pressure transmitter to be the right choice for subsea installations.

Typical Applications are:

- ✓ Subsea Control Modules
- ✓ Subsea Processing
- ✓ Subsea Pumps
- ✓ Subsea Measurements



"The Scan Sense IsoPod PT borrows its name from the Giant isopod. These creatures live on the seabed in the abyss of the open sea down to 2,150 meters, where pressure is high. Their bodies are dorso-ventrally compressed, protected by a rigid, calcareous exoskeleton. The large eyes are compound with nearly 4,000 facets, for perfect sensing in the dark, cold and deep waters."

www.scansense.no

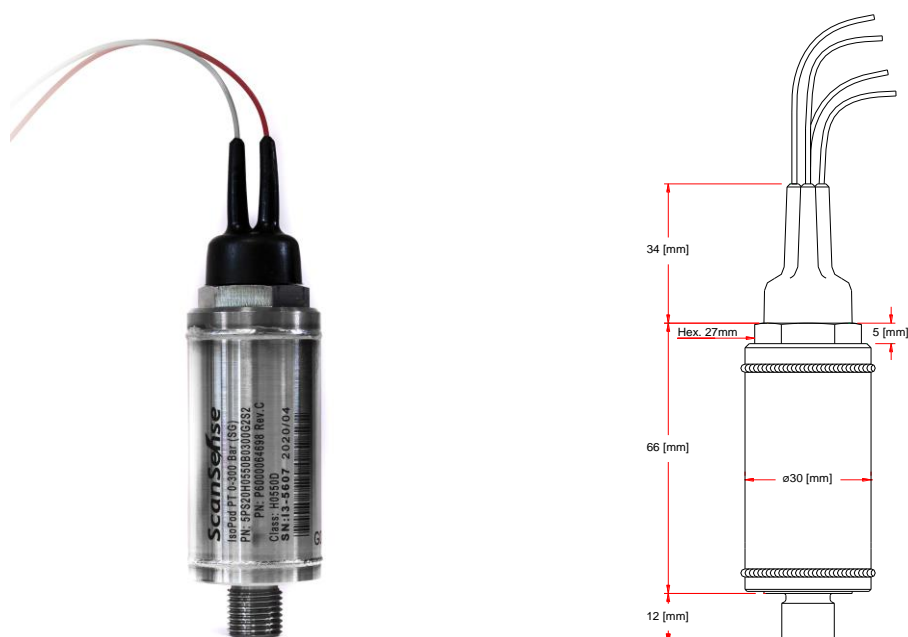
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Technical information

Pressure Ranges	0-300 ... 900 bar (A and SG)
Total Accuracy	± 0,5% of Full Scale
Long Term Drift	< ± 0,1% of Full Scale / Year
Output Signal	4 - 20mA (2-wire configuration)
Supply Voltage	10 - 30Vdc
Typical Response Time	< 3 ms to 63% of final output value
Stabilization after power up	70 ms (Typical)
Safe Overpressure	≤ 1,5 x Full Scale
Burst Pressure	> 3 x Full Scale
Operation Temperature	-5°C to + 40°C
Design and Test Temperature	-18°C to + 70°C
Storage Temperature	-20°C to + 50°C
Protections	Inverted Polarity Protection Transient Protection
Materials	Pressure Port / Housing: Inconel 625 (UNS N06625) Diaphragm: Hastelloy C-22 (UNS N06022) Boot seal: HNBR 70Shore
Pressure Fitting	Male ½" UNF – 2A acc. SAE J514
Electrical Connection	Refer to interface drw: SK01211 - WP up to 900bar + conductor: Ch1:Red Ch2:Red / Yellow - conductor: Ch1:Yellow Ch2:White/ Blue 2 meters Raychem spec 44, 22 awg, 600 V Raychem spec 44, 22 awg, 1000 V on request
Dimensions	Max width. ø31 mm, Min. height: 85mm (bend on bootseal)
Weight	305 gram (for ½" UNF-2A male inlet)
Documentation	SMDR, GA drawing and FAT report in MRB

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



Scan-Sense 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.