SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

071016241B001
0-10V, 0..160 bar, G1/4-E, DIN

- Measuring range up to 600 bar
- Silicon-on-sapphire sensor
- Outstanding overpressure protection
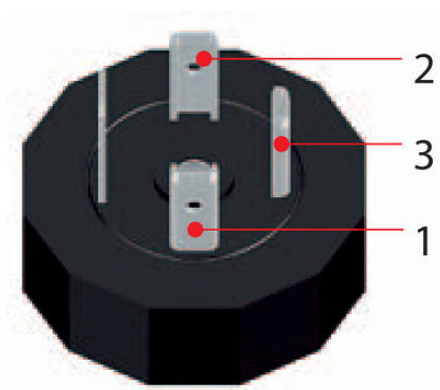- Outstanding repeatability

Product description

The SUCO 0705/0710/0720 high performance series pressure sensor is an advanced pressure monitoring solution with unrivalled attributes. Offering ten standard pressure ranges with options of six different electrical connectors a thread of G1/4 (eight available in total) and 0.5-4.5 V ratiomateric, 0-10V or 4-20mA outputs. The 07 series uses silicon-on-sapphire technology in a titanium all welded design offering outstanding overpressure protection, media compatibility and the highest repeatability.

Common applications include mobile hydraulics, off-shore/marine, high pressure systems and more.

Specifications

Accuracy	±0.5% FS
Burst Pressure	1280

Connection Thread	G1/4-E
Electrical connection	DIN EN 175301-803-A
IP Class	IP67
Long-Term Stability	±0.1% FS p.a.
Material of body	Stainless steel 1.4305
Materials Wetted Parts	Stainless steel 1.4305, Titanium
Overpressure protection	640 bar
Pressure Range Max	160
Pressure Range Min	0
Pressure reference	Gauge
Pressure rise	5 bar/ms
Repeatability & Reproducibility	±0.1% FS
Response Time	2
Shock Resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Signal type	0-10 V
Supply Voltage DC Max	32
Supply Voltage DC Min	12
Temperature ambient from	-40
Temperature ambient to	100
Temperature error	±0.01% FS/°C
Temperature range of media from	-40
Temperature range of media to	125
Weight	80
Vibration Resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6

Viton®-Sealing ring G 1/4 DIN EN ISO 1179-2 (DIN 3852-11) form E	G1/4 DIN 3852-A	NPT 1/8	NPT 1/4
Thread code: 41	**Thread code: 03**	**Thread code: 04**	**Thread code: 09**
M 10x1 DIN 3852-A	7/16-20 UNF	9/16-18 UNF	Viton®-Sealing ring M14x1,5 DIN EN ISO 9974-2 (DIN 3852-11) form E
Thread code: 30	**Thread code: 20**	**Thread code: 21**	**Thread code: 42**

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