



# SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

070540141B001  
0.5-4.5V, 0..40 bar, G1/4-E, DIN

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



## Product description

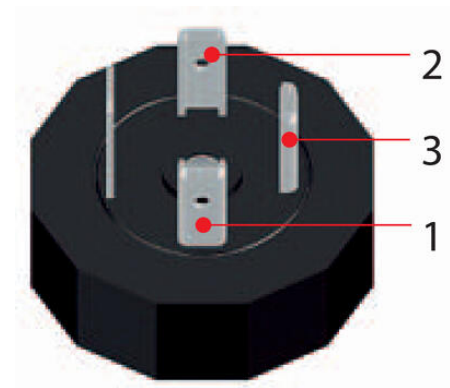
The SUCO 0705/0710/0720 high performance series pressure sensor is an advanced pressure monitoring solution with unrivalled attributes. Offering ten standard pressure ranges with options of six different electrical connectors a thread of G1/4 (eight available in total) and 0.5-4.5 V ratiometric, 0-10V 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	320

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	160 bar
Pressure Range Max	40
Pressure Range Min	0
Pressure reference	Gauge
Pressure rise	5 bar/ms
Repeatability & Reproducibility	±0.1% FS
Response Time	2
Shock Resistance	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
Signal type	0.5-4.5 V ratiometric
Supply Voltage DC Max	6.5
Supply Voltage DC Min	5
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 Thread code: 41	 G1/4 DIN 3852-A Thread code: 03	 NPT 1/8 Thread code: 04	 NPT 1/4 Thread code: 09
 M 10x1 DIN 3852-A Thread code: 30	 7/16-20 UNF Thread code: 20	 9/16-18 UNF Thread code: 21	 Viton® Sealing ring M14x1.5 DIN EN ISO 9974-2 (DIN 3852-11) form E Thread code: 42



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