



# SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

071010241B002  
0-10V, 0..100 bar, G1/4-E, M12

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



## Product description

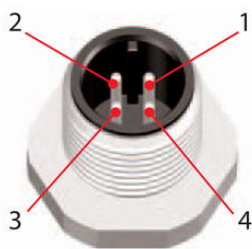
The SUCO 0705/0710/0720 high performance series pressure sensor is an advanced pressure monitoring solution with unrivalled attributes. Offering ten standard pressure ranges with options of six different electrical connectors a thread of G1/4 (eight available in total) and 0.5-4.5 V ratiometric, 0-10V 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	800

<b>Connection Thread</b>	G1/4-E
<b>Electrical connection</b>	M12x1 4-pole
<b>IP Class</b>	IP67
<b>Long-Term Stability</b>	±0.1% FS p.a.
<b>Material of body</b>	Stainless steel 1.4305
<b>Materials Wetted Parts</b>	Stainless steel 1.4305, Titanium
<b>Overpressure protection</b>	400 bar
<b>Pressure Range Max</b>	100
<b>Pressure Range Min</b>	0
<b>Pressure reference</b>	Gauge
<b>Pressure rise</b>	5 bar/ms
<b>Repeatability &amp; Reproducibility</b>	±0.1% FS
<b>Response Time</b>	2
<b>Shock Resistance</b>	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
<b>Signal type</b>	0-10 V
<b>Supply Voltage DC Max</b>	32
<b>Supply Voltage DC Min</b>	12
<b>Temperature ambient from</b>	-40
<b>Temperature ambient to</b>	100
<b>Temperature error</b>	±0.01% FS/°C
<b>Temperature range of media from</b>	-40
<b>Temperature range of media to</b>	125
<b>Weight</b>	80
<b>Vibration Resistance</b>	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6











<b>Pin 1</b>	Uv+
<b>Pin 2</b>	nc
<b>Pin 3</b>	Gnd
<b>Pin 4</b>	Out



 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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