

## SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

072016241B002  
4-20mA, 0..160 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.

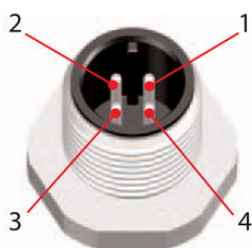
Common applications include mobile hydraulics, off-shore/marine, high pressure systems and more.

### TECHNICAL DATA

Accuracy

±0.5% FS

<b>Burst pressure</b>	1280 bar
<b>Connection</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>Material of wetted parts</b>	Stainless steel 1.4305, Titanium
<b>Overpressure protection</b>	640 bar
<b>Pressure range max</b>	160 bar
<b>Pressure range min</b>	0 bar
<b>Pressure reference</b>	Gauge
<b>Pressure rise</b>	5 bar/ms
<b>Pressure type</b>	Relative
<b>Repeatability</b>	±0.1% FS
<b>Response time</b>	2 ms
<b>Shock resistance</b>	500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27
<b>Signal type</b>	4-20 mA
<b>Supply voltage dc max</b>	32 V DC
<b>Supply voltage dc min</b>	10 V DC
<b>Temperature ambient from</b>	-40 °C
<b>Temperature ambient to</b>	100 °C
<b>Temperature error</b>	±0.01% FS/°C
<b>Temperature of media from</b>	-40 °C
<b>Temperature of media to</b>	125 °C
<b>Weight</b>	80 g
<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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