



## SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

070510141B001  
0.5-4.5V, 0..10 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.

### TECHNICAL DATA

Accuracy

±0.5% FS

<b>Burst pressure</b>	80 bar
<b>Connection</b>	G1/4-E
<b>Electrical connection</b>	DIN EN 175301-803-A
<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>	40 bar
<b>Pressure range max</b>	10 bar
<b>Pressure range min</b>	0 bar
<b>Pressure reference</b>	Gauge
<b>Pressure rise</b>	5 bar/ms
<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>	0.5-4.5 V ratiometric
<b>Supply voltage dc max</b>	6,5 V DC
<b>Supply voltage dc min</b>	5 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



