



SUCO - 0705/0710/0720 PRESSURE  
SENSOR

High performance series

070516241B011  
0.5-4.5V, 0..160 bar, G1/4-E, 2M cable

- 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	1280

<b>Connection Thread</b>	G1/4-E
<b>Electrical connection</b>	Embedded 2m cable
<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>	640 bar
<b>Pressure Range Max</b>	160
<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>	0.5-4.5 V ratiometric
<b>Supply Voltage DC Max</b>	6.5
<b>Supply Voltage DC Min</b>	5
<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

