OEM AUTOMATIC

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SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

071060241B002
0-10V, 0..600 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 ratiomateric, 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.
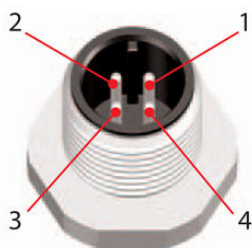
Common applications include mobile hydraulics, off-shore/marine, high pressure systems and more.

TECHNICAL DATA

Accuracy	±0.5% FS

Burst pressure	2000 bar
Connection	G1/4-E
Electrical connection	M12x1 4-pole
IP class	IP67
Long term stability	±0.1% FS p.a.
Material of body	Stainless steel 1.4305
Material of wetted parts	Stainless steel 1.4305, Titanium
Overpressure protection	1650 bar
Pressure range max	600 bar
Pressure range min	0 bar
Pressure reference	Gauge
Pressure rise	5 bar/ms
Repeatability	±0.1% FS
Response time	2 ms
Shock resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Signal type	0-10 V
Supply voltage dc max	32 V DC
Supply voltage dc min	12 V DC
Temperature ambient from	-40 °C
Temperature ambient to	100 °C
Temperature error	±0.01% FS/°C
Temperature of media from	-40 °C
Temperature of media to	125 °C
Weight	80 g
Vibration resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6

Pin	
Pin 1	Uv+
Pin 2	nc
Pin 3	Gnd
Pin 4	Out

G 1/4 DIN EN ISO 1179-2 (DIN 3852-11) form E, Viton® Sealing ring — 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

M14x1,5 DIN EN ISO 9974-2 (DIN 3852-11) form E, Viton® Sealing ring — Thread code: 42

hex 22

SUCO Pressure

Messbereich / Range:
Ausgangssignal / output
Versorgungssp. / volt su
max.
Best. -Nr.: 0710-602

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