SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

072010141B007
4-20mA, 0..10 bar, G1/4-E, AMP Superseal 1.5®

- 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.

Specifications

Accuracy	±0.5% FS
Burst Pressure	80

Connection Thread	G1/4-E
Electrical connection	AMP Superseal
IP Class	IP67
Long-Term Stability	±0.1% FS p.a.
Material of body	Stainless steel 1.4305
Materials Wetted Parts	Stainless steel 1.4305, Titanium
Overpressure protection	40 bar
Pressure Range Max	10
Pressure Range Min	0
Pressure reference	Gauge
Pressure rise	5 bar/ms
Repeatability & Reproducibility	±0.1% FS
Response Time	2
Shock Resistance	500m / s²; 11 ms half sine wave; DIN EN 60068-2-27
Signal type	4-20 mA
Supply Voltage DC Max	32
Supply Voltage DC Min	10
Temperature ambient from	-40
Temperature ambient to	100
Temperature error	±0.01% FS/°C
Temperature range of media from	-40
Temperature range of media to	125
Weight	80
Vibration Resistance	20g: 4..2000 Hz sine wave, DIN EN 60068-2-6

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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