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# SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

070510241B007
0.5-4.5V, 0..100 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.

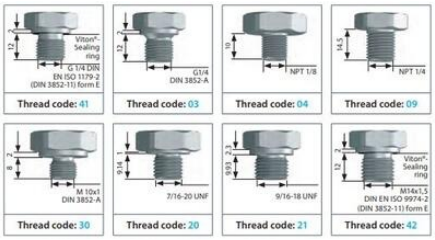
Common applications include mobile hydraulics, off-shore/marine, high pressure systems and more.

## TECHNICAL DATA

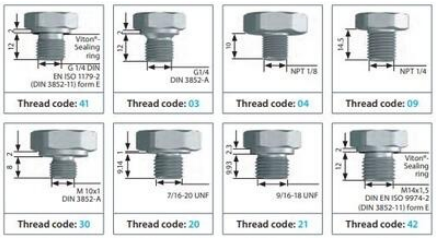
| | |
|---|---|
| **Accuracy** | ±0.5% FS |
| **Burst pressure** | 800 bar |

| | |
|---|---|
| **Connection** | 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 |
| **Material of wetted parts** | Stainless steel 1.4305, Titanium |
| **Overpressure protection** | 400 bar |
| **Pressure range max** | 100 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** | 0.5-4.5 V ratiometric |
| **Supply voltage dc max** | 6.5 V DC |
| **Supply voltage dc min** | 5 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 |


d
x
hex 22


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
M14x1,5 DIN EN ISO 9974-2 (DIN 3852-11) form E
Thread code: 42


d
x
hex 22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Thread code: 42