



SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

071060141B001
0-10V, 0..60 bar, G1/4-E, DIN

- Measuring range up to 600 bar
- Silicon-on-sapphire sensor
- Outstanding overpressure protection
- Outstanding repeatability



Product description

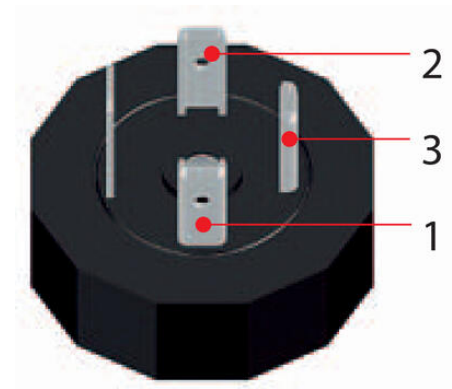
The SUCO 0705/0710/0720 high performance series pressure sensor is an advanced pressure monitoring solution with unrivalled attributes. Offering ten standard pressure ranges with options of six different electrical connectors a thread of G1/4 (eight available in total) and 0.5-4.5 V ratiometric, 0-10V 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.









Specifications

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| Accuracy | ±0.5% FS |
| Burst Pressure | 480 |








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|---------------------------------|---|
| Connection Thread | G1/4-E |
| Electrical connection | DIN EN 175301-803-A |
| 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 | 240 bar |
| Pressure Range Max | 60 |
| Pressure Range Min | 0 |
| Pressure reference | Gauge |
| Pressure rise | 5 bar/ms |
| Repeatability & Reproducibility | ±0.1% FS |
| Response Time | 2 |
| Shock Resistance | 500m / s ² ; 11 ms half sine wave; DIN EN 60068-2-27 |
| Signal type | 0-10 V |
| Supply Voltage DC Max | 32 |
| Supply Voltage DC Min | 12 |
| 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 |





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|---|---|---|---|
|  G1/4\" data-bbox="651 71 711 81"/> Thread code: 41 |  G1/4\" data-bbox="721 71 781 81"/> Thread code: 03 |  NPT 1/8\" data-bbox="791 71 851 81"/> Thread code: 04 |  NPT 1/4\" data-bbox="861 71 921 81"/> Thread code: 09 |
|  M10x1\" data-bbox="651 126 711 136"/> Thread code: 30 |  7/16-20 UNF\" data-bbox="721 126 781 136"/> Thread code: 20 |  9/16-18 UNF\" data-bbox="791 126 851 136"/> Thread code: 21 |  M14x1.5\" data-bbox="861 126 921 136"/> Thread code: 42 |



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|--|--|--|---|
|  G1/4\" data-bbox="369 400 429 410"/> Thread code: 41 |  G1/4\" data-bbox="439 400 499 410"/> Thread code: 03 |  NPT 1/8\" data-bbox="509 400 569 410"/> Thread code: 04 |  NPT 1/4\" data-bbox="579 400 639 410"/> Thread code: 09 |
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