



SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

070540141B007
0.5-4.5V, 0..40 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 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 | 320 |

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| 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 | 160 bar |
| Pressure Range Max | 40 |
| 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 | 0.5-4.5 V ratiometric |
| Supply Voltage DC Max | 6.5 |
| Supply Voltage DC Min | 5 |
| 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 |

