



**SUCO - 0705/0710/0720 PRESSURE SENSOR**

High performance series

070560241B008  
0.5-4.5V, 0..600 bar, G1/4-E, Deutsch DT04-4P

- 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

|                |          |
|----------------|----------|
| Accuracy       | ±0.5% FS |
| Burst Pressure | 2000     |

|                                            |                                                                 |
|--------------------------------------------|-----------------------------------------------------------------|
| <b>Connection Thread</b>                   | G1/4-E                                                          |
| <b>Electrical connection</b>               | Deutsch DT04-4P                                                 |
| <b>IP Class</b>                            | IP67, IP6K9K                                                    |
| <b>Long-Term Stability</b>                 | ±0.1% FS p.a.                                                   |
| <b>Material of body</b>                    | Stainless steel 1.4305                                          |
| <b>Materials Wetted Parts</b>              | Stainless steel 1.4305, Titanium                                |
| <b>Overpressure protection</b>             | 1650 bar                                                        |
| <b>Pressure Range Max</b>                  | 600                                                             |
| <b>Pressure Range Min</b>                  | 0                                                               |
| <b>Pressure reference</b>                  | Gauge                                                           |
| <b>Pressure rise</b>                       | 5 bar/ms                                                        |
| <b>Repeatability &amp; Reproducibility</b> | ±0.1% FS                                                        |
| <b>Response Time</b>                       | 2                                                               |
| <b>Shock Resistance</b>                    | 500m / s <sup>2</sup> ; 11 ms half sine wave; DIN EN 60068-2-27 |
| <b>Signal type</b>                         | 0.5-4.5 V ratiometric                                           |
| <b>Supply Voltage DC Max</b>               | 6.5                                                             |
| <b>Supply Voltage DC Min</b>               | 5                                                               |
| <b>Temperature ambient from</b>            | -40                                                             |
| <b>Temperature ambient to</b>              | 100                                                             |
| <b>Temperature error</b>                   | ±0.01% FS/°C                                                    |
| <b>Temperature range of media from</b>     | -40                                                             |
| <b>Temperature range of media to</b>       | 125                                                             |
| <b>Weight</b>                              | 80                                                              |
| <b>Vibration Resistance</b>                | 20g: 4..2000 Hz sine wave, DIN EN 60068-2-6                     |

