

SUCO - 0705/0710/0720 PRESSURE SENSOR

High performance series

070510141B007
0.5-4.5V, 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 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.

TECHNICAL DATA

Accuracy	±0.5% FS
Burst pressure	80 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	40 bar
Pressure range max	10 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 / 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 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

