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# SUCO 0675/0680/0690 PRESSURE SENSOR

Robust Series

0680401411002
0..40 bar, 0-10 V, G1/4", M12x1



- For low pressures & vacuum
- Long life time even under high pressure change rates
- Excellent media compatibility
- Oil filled measuring cell

### PRODUCT DESCRIPTION

The Suco robust series of pressure sensors offers an option for vacuum applications with good overpressure protection (up to 3x), long service life even under high pressure change rates whilst giving very low temperature error and excellent long-term stability. Using a highly sensitive piezo-resisitve sensor in a flurine oil filled measuring cell for a high accuracy and repeatability, there are eight standard pressure ranges starting at -1-0 bar (vacuum) all the way up to 0-100 bar, with three output signal options of 0.5-4.5V, 0-10V and 4-20mAmp. The wetted parts are made of stainless steel (AISI 316L & AISI 316L) and NBR or FKM giving excellent media compatibility with four standard electrical connection options including Pre-cabled, DIN and M12 combined with one standard thread type.

The 0675 range with 0.5-4.5v Raitometric are also available on request

Application examples

- Agricultural
- Chemical
- Hydrogen
- Medical
- Mobile hydraulics
- Off highway
- Off-shore
- Oxygen
- Process
- Rail
- Seawater
- Vacuum

# TECHNICAL DATA

| | |
|---|---|
| **Connection** | G1/4-E |
| **Electrical connection** | M12x1 4-pole |
| **IP class** | IP67 |
| **Material of body** | Stainless steel 316L |
| **Material of wetted parts** | Stainless steel 316L |
| **Pressure range max** | 40 bar |
| **Pressure range min** | 0 bar |
| **Pressure type** | Relative |
| **Response time** | 2 ms |

| | |
|---|---|
| **Signal type** | 0-10 V |
| **Supply voltage dc max** | 32 V DC |
| **Supply voltage dc min** | 12 V DC |
| **Temperature ambient from** | -40 °C |
| **Temperature ambient to** | 100 °C |
| **Temperature of media from** | -40 °C |
| **Temperature of media to** | 100 °C |
| **Weight** | 80 g |