



Pressure Monitoring &
Transmission Technology



Made in Germany

Our Compact series is 100 % manufactured calibrated in Germany. We can prove the following standards:

- Vibration resistance in accordance with IEC 60068-2-6
- Shock resistance in accordance with IEC 60068-2-27
- EMC according to EN 61000-4-2:
2009, EN 61000-4-3:2006 + A1:2008 + A2:2010,
EN 61000-4-4: 2012, EN 61000-4-6:2014,
EN 61000-4-8: 2009, EN 61000-4-2:2009,
EN 55011:2018

Product portfolio

In addition to our OEM pressure transmitters, we offer customized special solutions and components for almost any application in which pressure needs to be reliably and safely monitored, measured or controlled.

- High IP protection classes up to IP6K9K
- Pressure ranges from vacuum to 5,000 bar
- Pre-wired and encapsulated components
- Individual items, prototypes or series products
- Large selection of connectors and threads
- Protection against overload, overvoltage or short circuit
- Various interfaces (CAN, SAE J1938, SENT, RS-485)

The SUCO Group

We are a reliable, innovative partner and at your side worldwide. In addition to our standard products, we offer customized special solutions and components for almost any application in which pressure or temperature needs to be reliably and safely monitored, measured or controlled.

- Over 70 years of experience in pressure monitoring
- 100% EOL test of all products
- Compliance with numerous national and international standards & certifications, e.g. ISO 9001: 2015
- Large selection of connectors and threads
- Protection against overload, overvoltage or short circuit
- IP protection classes up to IP6K9K and high temperature tolerance (-40 °C ... +125 °C) against extreme cold / heat
- Pre-wired and encapsulated pressure switches
- PLUS pressure switch with safety function against cable breakage and short circuit

SUCO Robert Scheuffele GmbH & Co. KG
Pressure Monitoring & Transmission Technology

Keplerstraße 12 – 14
74321 Bietigheim-Bissingen
Germany
Phone +49 7142 597 0
info@suco.de, www.suco.de

A SUCO Group company



SUCO_02.24_Compact OEM Pressure Transmitter



Compact OEM Pressure transmitter

OEM solutions from SUCO

A SUCO Group company

Our Compact series pressure transmitters have been developed to meet the growing requirements of original equipment manufacturers (OEMs) for mobile hydraulics.

In addition to an advantageous price to performance ratio for large quantities, the Compact series impresses with its extremely high overpressure safety and is robust against vibrations shocks and pressure peaks with high measuring accuracy and long-term stability.

As a Tier 1 and 2 component supplier, our internal production and testing processes meet the industry's testing and quality standards with regard to EMC, EOL (End of line) testing and ISO 9001.



Compact OEM pressure transmitter

Our pressure transmitters are designed for variable pressure ranges from 0 – 40 bar to 0 – 600 bar and are offered with a variety of integrated connectors and threads. With an installation size of ~39 mm (SW 24), the Compact-series is the most compact OEM pressure transmitter in its class.

Performance features

- Up to 4x overpressure resistance
- Overvoltage protection up to 28 VDC
- Diagnostic function according to "fail-safe" definition
- Low temperature drift in the range -40°C... +125°C



Pressure ranges / overpressure

0 – 40 bar	0 – 60 bar	0 – 80 bar	0 – 100 bar	0 – 250 bar	0 – 400 bar	0 – 600 bar
250 bar (6x)	400 bar (6x)	500 bar (6x)	600 bar (6x)	750 bar (3x)	800 bar (2x)	800 bar

Electrical connections



Technical data

Output signal	0,5 ... 4,5 V ratiometric (3-wire)	Accuracy	±0,5 % final value (FS) ±0,25 % BFSL at room temperature
Supply voltage U_B	5 VDC ±10 % (max. 6,5 VDC)	Long-term stability	±0,2 % (<100 bar) / ±0,1 % final value (FS) per year
Overvoltage protection	18 VDC (≤ 2 h at 140°C) / 26 VDC (≤ 1 min)	Repeatability	±0,2 % (<100 bar) / ±0,1 % final value (FS)
Current consumption I	typ. 8,5 mA (max. 13 mA)	Temperature error	±0,0125 % final value (FS) / °C
Load current resistance R_L	4,7 k ... 680 k	Compensated Temperature range	-40 °C ... +125 °C



Diagnostic function

The Compact 0606 pressure transmitter has a diagnostic function which, in the event of a fault, allows it to assume a safe state in accordance with "Fail Safe". This allows the control logic of a machine to detect faults in the sensor, or the connecting line.

All wetted materials consist of a stainless steel component without a weld seam and are compatible with almost all media. The stainless steel measuring cell of grade AISI 630 impresses with its high resistance to wear and withstands pressure change rates of 5,000 bar/s. Through accredited static and dynamic pressure cycling tests. We guarantee a service life of at least 10 million pulsations.

Thread selection

