



Hydrogen pressure transmitter



Type 555

Relative pressure transmitter for
hydrogen applications

NEW: Pressure transmitter type 555

Pressure sensors are used throughout the hydrogen value chain – from hydrogen production, storage and transport to processing.

The compact relative pressure transmitter Type 555 with EC79:2009 certification offers high measurement accuracy and is reliable in mobile applications such as monitoring the pressure in the H₂ tank in hydrogen vehicles. With a variety of electrical connections, it is easily integrated into existing systems.

Advantages type 555

- The high pressure sensor type 555 is suitable for motor vehicles thanks to the hydrogen approval according to EC79:2009
- Due to its compact and robust design, the type 555 meets the requirements of shock and vibration resistance according to the automotive standard ISO 16750-3
- External tests show no measured value deviations, giving you a high level of process reliability
- All sensor materials used are compatible with gaseous H₂ applications
- Due to the hermetically welded sensor construction, elastomer seals are not required and temperature ranges down to -40 °C are possible
- The high protection classes IP67 and IP69K enable the sensor to be used in a wide range of environmental conditions, e.g. in the automotive sector



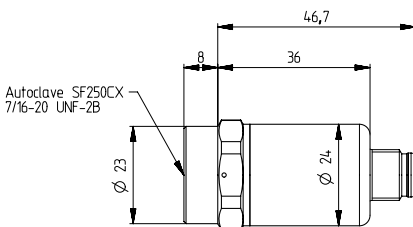
Type 555 variants

Huba type 555	Technical Overview
Pressure range relative	0 ... 10 - 900 bar
Accuracy	± 0.5 % FS
Temperature range	-40 ... +85 °C
Materials in contact with the medium	Pressure connection: 1.4404 / AISI 316L Sensor: 1.4435
Electrical connection	Kostal SLK 2.8 Codierung A AMP-JPT und AMP Superseal 1.5 Deutsch DT04-3P und DT04-4P Metri Pack 150 P2S Series M12x1
Pressure connection/Inside thread	7/16 - 20 UNF, Autoclave SF250CX
Pressure connection/ Outside thread	7/16 - 20 UNF-2A, ISO 11926-1, SAE 4 3/8 - 24 UNF-2A, ISO 11926-1, SAE 3 3/16 - 18 UNF-2A, ISO 8434 1/4 - 18 NPT, DIN EN 837 G 1/4 B, DIN EN 837 Manometer
Signal-Output	0 ... 5 V 0 ... 10 V ratiom. 10 ... 90 % 4 ... 20 mA
Protection standard	IP67, IP69K
Admissions	EC79/2009 Shock and Vibration acc. ISO 16750-3 EMV Noise immunity automotive guide- line (see technical datasheet)

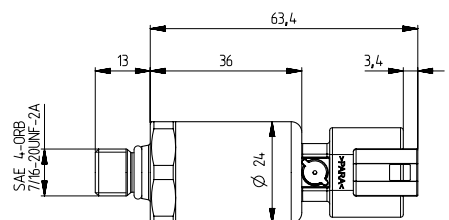


Dimensions

7/16 - 20 UNF-2B / M12x1



7/16 - 20 UNF-2A / Deutsch DT04-3P



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