Your local solution provider

In addition to our standard products, we offer customised solutions and tailored components for almost any application in which pressure or temperature needs to be reliably and safely monitored, measured or controlled.

- Iarge 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.
- Ready-wired and moulded pressure switches



The SUCO Group - A reliable and innovative partner worldwide at your side

- Over 70 years of experience in pressure montoring.
- Our products are 100 % function tested and approved for hydrogen before they leave our production facility.
- Compliance with numerous national and international standards and certifications, such as ISO 9001: 2015.

Please contact us - We look forward to your inquiry

Contact us

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Please visit our international sales network online at https://www.suco.de/en/worldwide/



HYDROGEN POWER

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worldwide at your side

SUCO GROUP





Hydrogen Applications





Hydrogen Applications







Mechanical Pressure Switches

SUCO offers a variety of compact and robust H_2 -compliant pressure switches (NO, NC, CO) for hydrogen applications with variable pressure ranges from 0.1 bar to 400 bar made of SAE 316L stainless steel. Various threads and pre-wired versions are available upon request.

Pressure Transducer and Sensors

ESI Technology from Wales has developed a broad product portfolio of high quality pressure transducers and sensors for standard & special requirements up to 5,000 bar to meet the increasing demand for H₂-compliant products, especially for oil and gas, marine and subsea applications.



H164 (hex 24)

normally closed (NC), normally opened (NO)

0.1 bar - 50 bar

up to 600 bar overpressure safety

EPDM diaphragm in SAE 316L grade stainless steel housing

cCSAus certification (pending)



H186 (hex 27)

changeover (CO) 0.5 bar - 200 bar

up to 700 bar overpressure safety

EPDM diaphragm in SAE 316L grade stainless steel housing

cCSAus certification (pending)



H183 (hex 27)

(pending)

changeover (CO)

100 bar - 400 bar

up to 600 bar overpressure safety EPDM diaphragm in SAE 316L grade stainless steel housing cCSAus certification



up to 300 / 600 bar overpressure safety EPDM diaphragm in SAE 316L grade stainless steel housing ATEX / IECEx (M1) certification



0 bar to 1.500 bar

titanium alloy SoS

optional certification

very high corrosion

resistance

acc. to ATEX & DNV-GL

pressure sensor



GD4200HUSB

-1 bar to 5,000 bar

4x overpressure safety 2x overpressure safety

titanium alloy SoS pressure sensor

ESI-USB software with 1,000 Hz sampling rate

highest precision and accuracy ±0.15% BFSL



Hydrogen (H) being the lightest element is the most abundant element in our universe (70 %). Most hydrogen on earth exists in molecular forms such as water and organic compounds.

It is being used in liquid form (LH_2) or as a colourless and odourless gas (H_2) in many sectors such as petrochemistry, energy, mobility or production.

Since gaseous hydrogen combined with oxygen (O_2) can form an explosive gas mixture ("oxyhydrogen"), most applications are subject to special safety pre-cautions regarding fire and explosion protection.

Many possibilities and potentials of hydrogen technology have only been developed and opened up in recent years and today play a key role in climate-neutral energy generation & storage.







HI2000H

0 bar to 1,500 bar

4x overpressure safety

titanium alloy SoS pressure sensor

optional certification acc. to ATEX / IECEx

very high temperature resistance

Our pressure switches and transducers reliably monitor and control the pressure of liquid and gaseous hydrogen in industrial production, such as climate-neutral energy generation and storage (in fuel cells and tanks), H_2 transportation in ships, trains and vehicles, refueling of H_2 filling stations, heat generation & supply, HVAC industry ... and many more.

