

Digital sensor with analogue heart

The future-proof ceramic pressure sensor Ceracore USC30 from Endress+Hauser combines the advantages of the digital with the analogue world

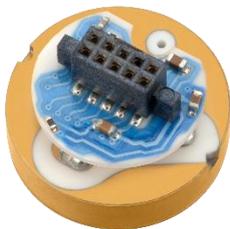
If you use analogue output signals in your pressure application and still want to take advantage of a digital signal in the future, you often only have the choice between purely digital or purely analogue sensors. The capacitive-ceramic pressure sensor Ceracore USC30 combines both output signals in one sensor. Each signal is available for further processing.

Amongst others, the digital communication path enables the user to adapt many parameters himself. This includes "turn down", the change of the zero point and the measuring span. The sensor can therefore cover several measuring tasks and in consequence reduces storage costs. Since the adjustments are made at the sensor level, this can essentially simplify the design of the main electronics.

The Ceracore USC30 can be used industry-independent and is perfectly suited for challenging environments with aggressive media. The 99.9 percent pure ceramic makes it highly resistant to corrosive and abrasive media. The ceramic is long-term stable and virtually free of hysteresis. Together with its vacuum resistance and its - up to 40 times - overload resistance, the USC30 is the ideal dry sensor for high-precision measuring tasks.

The MySensor configurator from Endress+Hauser offers a variety of options to adapt pressure sensors to the requirements of specific applications. Thus, the customized pressure transducers, named UTC30, have exactly those properties which are required by the user.

www.sensors-components.endress.com



USC30 capacitive ceramic pressure sensor.png

Picture subline:

The new capacitive ceramic sensor USC30 for challenging environments with aggressive media.



Tailormade pressure transducers UTC30.jpg

Picture subline:

Tailormade pressure transducers UTC30.

The Endress+Hauser Group

Endress+Hauser is a global leader in measurement instrumentation, services and solutions for industrial process engineering. The Group employs more than 13,000 personnel across the globe, generating net sales of over 2.2 billion euros in 2017.

Structure

With dedicated sales centers and a strong network of partners, Endress+Hauser guarantees competent worldwide support. Our production centers in 12 countries meet customers' needs and requirements quickly and effectively. The Group is managed and coordinated by a holding company in Reinach, Switzerland. As a successful family-owned business, Endress+Hauser is set for continued independence and self-reliance.

Products

Endress+Hauser provides sensors, instruments, systems and services for level, flow, pressure and temperature measurement as well as analytics and data acquisition. The company supports customers with automation engineering, logistics and IT services and solutions. Our products set standards in quality and technology.

Industries

We work closely with the chemical, petrochemical, food & beverage, oil & gas, water & wastewater, power & energy, life science, primaries & metal, renewable energies, pulp & paper and shipbuilding industries. Endress+Hauser supports its customers in optimizing their processes in terms of reliability, safety, economic efficiency and environmental impact.

History

Founded in 1953 by Georg H Endress and Ludwig Hauser, Endress+Hauser has been solely owned by the Endress family since 1975. The Group has developed from a specialist in level measurement to a provider of complete solutions for industrial measuring technology and automation, with constant expansion into new territories and markets.

For further information, please visit www.sensors-components.endress.com

Contact:

Manuel Wittek
Communications Manager
Sensors & Components

E-Mail manuel.wittek@pcm.endress.com
Phone +49 7622 28 1794

Endress+Hauser SE+Co. KG
Hauptstrasse 1
79689 Maulburg
Germany