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TEMPERATURE SENSORS

PROVEN PRECISION.

Established base technologies, proven millions of times in real world conditions, reduce validation processes.

FUTURE-READY SENSING.

Temperature sensors from KYOCERA AVX optimally combine the requirements of new drive systems with proven solutions, and have been designed to anticipate the versatile demands of alternative systems.

SENSING TECHNOLOGY

- Thermistor (NTC)
- PTC (e.g. PT1000)
- Thermocouple

FEATURES

- Screw-in, snap-in types
- In-line interfaces
- Direct-to-body measurement (e.g. e-motor)
- Integrated temperature-pressure sensor combination available

TYPICAL APPLICATIONS

- Fluids / gases (oil, water, coolant, air, hydrogen)
- Fuel cell electric systems (hydrogen tank, battery systems, electric motors)

SENSORS FOR FUEL CELL SYSTEMS

KYOCERA AVX Components is a trusted partner for temperature and pressure sensors. We are increasingly focusing on solutions for e-mobility and hybrid powertrains. Our advanced sensors are can be used in fuel cell vehicles and hydrogen infrastructure applications to ensure safe, efficient and long-term reliable operation.



POLYMER PRESSURE SENSOR FOR HD

With the focus on alternative power to move heavy duty trucks in the future like fuel cells we have developed light weight, highly robust pressure sensors which can handle alternative media. It combines new materials with innovative and modular design components.

- Option: with integrated temperature sensor
- Full polymer housing
- Proven robust design
- Modular design with option of temperature sensor
- Analog or digital output
- Easy double flange mounting (single flange on request)
- Common connector systems: HDSCS or MLK
- Modular design without metal keeps valuable cost level



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H₂ GAS CONCENTRATION SENSOR

As a trusted partner for innovative sensors, we are focusing on solutions for e-mobility and hybrid powertrains. Precise, durable and reliable - discover the latest technologies for hydrogen technology with the KYOCERA AVX H₂ gas concentration sensor.

- Fast response time
- Integrated temperature compensation
- Condensation protection for very high humidity
- Digital interface (CAN protocol)
- Self-diagnosis e.g.
 - Short-circuit
 - Open circuit
 - Overvoltage
 - Memory check
- Compact design



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COMPANIES OF THE SENSING AND CONTROL DIVISION

The Sensing and Control Division of KYOCERA AVX is a trusted partner for global automotive players for more than 50 years. Since 2017 we are part of the KYOCERA AVX Corporation, one of the leading electronic manufacturing companies worldwide.



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