Fast Facts

High-pressure Temperature Sensor 94982

The KYOERA AVX 94982 high-pressure temperature sensor has been specifically developed for the demanding requirements of modern hydrogen applications. Based on decades of automotive sensor experience, it provides precise and reliable temperature measurement in systems where safety, efficiency, and long-term stability are critical. It compact and robust design makes it especially suitable for use in hydrogen systems and refueling infrastructure. In these applications, accurate temperature monitoring is essential to support safe operation, efficient system control, and reliable performance under high-pressure conditions.

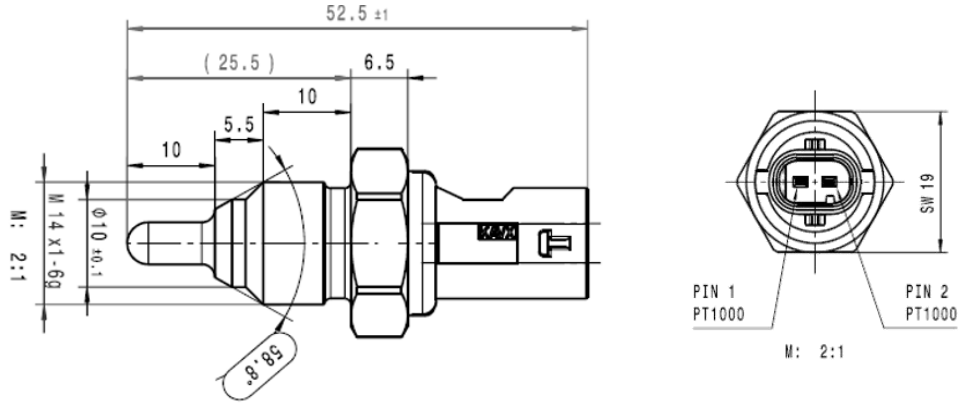
Beyond hydrogen technology, the 94982 is also suitable for other high-pressure temperature monitoring applications where durable sensor performance is required. With its stainless steel housing, analog output signal, and robust mechanical interface, the sensor supports integration into compact and technically challenging installations.

Special Features

- Temperature range from −40 °C to +150 °C
- Sensing element: PTC thermistor (class B)
- Electrical interface: Analog output signal
- Mechanical interface: M14 x 1-6g male thread
- Integrated Connector: MLK 1.2 with IP6K9K
- Sensor housing: stainless steel 1.4435
- RoHS / REACH complaint
- Tightening torque 30 Nm
- Flammability V0 in preparation

Typical Applications

- Hydrogen tanks, tubes, and pipes under high pressure up to 900 bar
- Hydrogen combustion engines
- Compressed air systems and pressure vessels
- Hydraulic systems and heavy-duty equipment



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