Fast Facts

Screw-in Temperature Sensor 94082_M12_MLK_brass_5k

This temperature sensor from KYOCERA AVX is designed for precise and reliable temperature sensing in demanding environments. With its robust housing, wide operating temperature range, and compact threaded design, it provides a durable solution for measuring temperatures in liquid media such as oils and coolants. Engineered for long-term stability and mechanical resilience, this sensor combines accurate NTC sensing technology with a rugged mechanical design. This makes it ideal choice for applications where dependable temperature data and high durability are essential for system performance and safety.

Special Features

- Temperature range: −40 °C to +200 °C
- Sensing element: NTC thermistor (5 kΩ @ 25 °C)
- Electrical interrace: Analog output signal
- Mechanical interface: M12 × 1.5 male thread
- Integrated Connector: MLK 1.2 with IP6K9K protection
- Different sealing options available
- Sensor housing: brass
- RoHS / REACH complaint

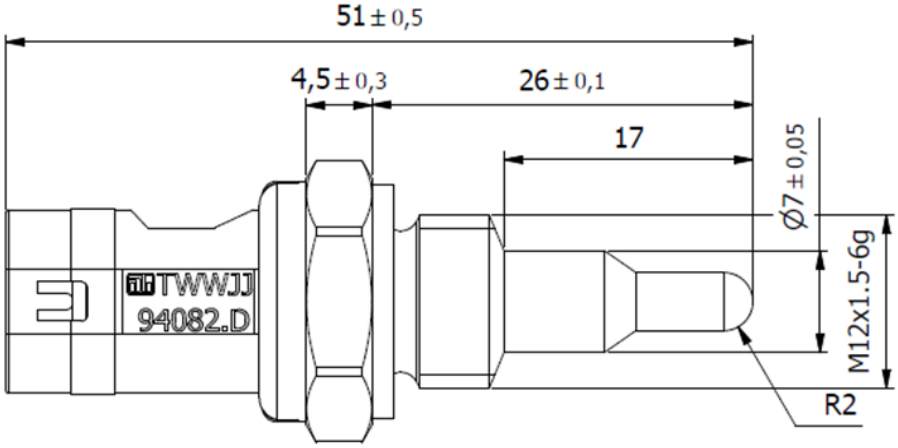
Typical Applications

- Mobile and industrial systems with mechanically and thermally demanding environments
- Monitoring liquid media, e.g. coolants or oils
- Automotive components like axle gearboxes

Key Technologies

NTC

- Fast and precise temperature detection
- Versatile in use
- Robust integration



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