Fast Facts

Screw-in Temperature Sensor 94085_M14_BoschCompact_stainlesssteel_2.055k

This temperature sensor from KYOCERA AVX is designed for precise temperature monitoring in demanding industrial and automotive environments. Equipped with a durable stainless steel housing, the sensor offers excellent corrosion resistance and mechanical robustness, making it suitable for harsh operating conditions and direct contact with liquid media.
Its compact screw-in design allows easy integration into fluid systems such as cooling or lubrication circuits. By combining proven NTC thermistor technology with a rugged mechanical design, the 94085 ensures reliable temperature measurement and long-term stability in applications where accurate thermal monitoring is essential.

Special Features

- Temperature range: −40 °C to +150 °C
- Sensing element: NTC thermistor (2.05 kΩ @ 25 °C // 186.5 Ω @ 100 °C)
- Electrical interface: Analog output signal
- Mechanical interface: M14 × 1.5 male thread
- Integrated Connector: Bosch Compact (D 928 002 69 A) with IP6K9K
- Different sealing options available
- Sensor housing: stainless steel
- RoHS / REACH complaint

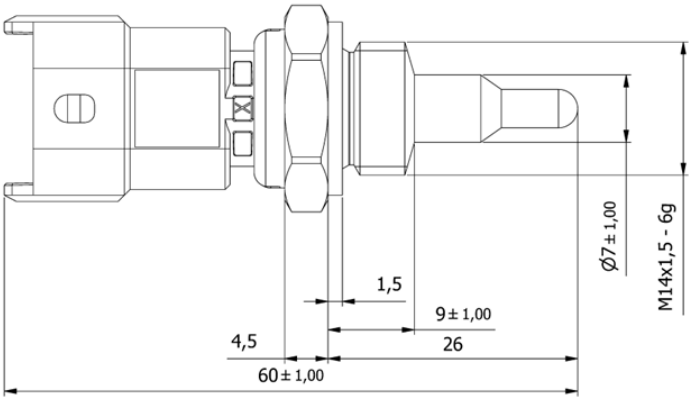
Typical Applications

- Monitoring temperature of liquid media such as oil, coolant, or other process fluids
- Suitable for environments where durability and chemical resistance are critical
- E.g., cooling circuits, lubrication systems, hydraulic systems, and drivetrain components in industrial equipment, mobile machinery, and automotive subsystems

Key Technologies

NTC

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



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