Fast Facts

Robust Screw-in Temperature Sensor 94099_M12_AMPT_brass_PT1000

The 94099 temperature sensor from KYOCERA AVX is designed for precise temperature monitoring in fluid systems used in industrial and automotive environments. Based on proven PT1000 thermistor technology, the sensor delivers stable and accurate temperature measurements across a wide operating range. Its compact M12 × 1.5 threaded design allows easy and secure integration into mechanical assemblies such as cooling circuits, lubrication systems, and hydraulic components. Combined with a robust housing and reliable electrical connection, this sensor ensures dependable operation even under demanding environmental conditions.

Special Features

- Temperature range: −40 °C to +150 °C
- Sensing element: PT1000 (1 kΩ @ 0 °C)
- Electrical interface: Analog output signal
- Mechanical interface: M12 × 1.5 male thread
- Integrated Connector: AMP Junior Timer 2-pole with IP6K9K
- Aluminum sealing ring (12 x 16 x 1.5 mm); copper available as an alternative
- Sensor housing: brass
- RoHS / REACH complaint

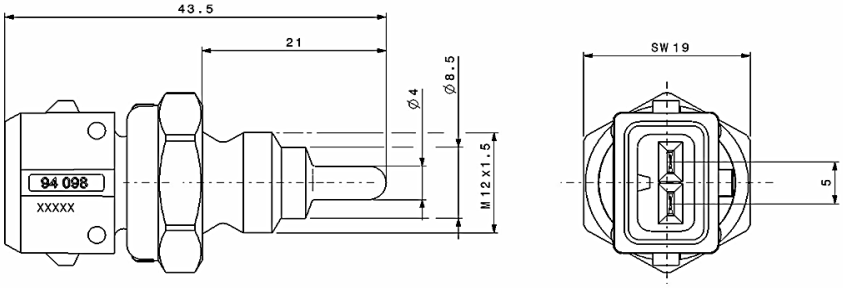
Typical Applications

- Measuring temperature of liquid media such as water, oil, and other process fluids
- Monitoring cooling systems, lubrication circuits, and general fluid monitoring
- E.g., in industrial equipment, mobile machinery, and automotive subsystems

Technology

PT-Element (PT1000)

- High accuracy and stable characteristic curve
- Suitable for demanding temperature measurement
- Proven solution for automotive and industrial applications



General Note This datasheet does not give any information on product availability. The information given is just meant to describe the product and is not to be considered as guaranteed characteristics in the legal sense. All products are subject to design changes in the interest of further technical development. Copyright: KYOCERA AVX Components (Werne) GmbH (GER)
www.KYOCERA-avx.com