Fast Facts

High Temperature Sensor with USB or CAN Connector

Highest automotive standards versatile due to smart USB or CAN coupling

KYOCERA AVX thermocouple-based high temperature sensor with USB or CAN interface meets demanding automotive standards. Provided with a USB or CAN connector, it is versatile and easy to connect e.g. to a standard laptop! Use the sophisticated temperature measurement wherever it is needed. With a temperature measurement range of - 40 °C to + 1200 °C and a resolution of 0.1 K, this sensor offers the perfect solution for general industrial applications, test labs or smart home applications. The entire sensor is fully USB or CAN powered, making communication and power supply very easy. By using a virtual serial port and thanks to simple commands, using the sensor has never been easier.

Contact our sales team at Dresden.info@kyocera-avx.com and let us convince you of this innovative product!

Special Features

- Very wide temperature measurement range from - 40 °C to + 1200 °C
- Robust transducer (comes from automotive application)
- High resolution of 0.1 K
- Easy handling (Plug and Play), all-in-one connection (USB or CAN)
- Easy evaluation of measured values via USB or CAN virtual COM port
- Power supply and signal conditioning are integrated in the product
- Use in various media (gases, liquids, e.g. liquid metal)

Typical Applications

- Measuring and test stands
- Industrial production control / monitoring
- Plastic injection molding (up to 300 °C)
  - Temperature control units
  - Extruder monitoring
  - Hot runner molds
- Aluminum / magnesium die casting (700 - 900 °C)
- Building automation
- Gas turbines / heating control / power plant control (flame monitoring with interruption of fuel supply when flame goes out)

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 (Dresden) GmbH (GER)
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