



| TEMPERATURE

Get cutting-edge temperature products plus custom solutions.

We offer a comprehensive array of reliable, accurate, and competitively priced devices in a variety of packaging options. Our customization capabilities are unparalleled. Here's just a sample of our solutions:

- High Temperature Sensors (PTC - Positive Temperature Coefficient Thermistor and DTC – Digital ThermoCouple) that enable engine controllers to appropriately regulate automotive exhaust gas aftertreatment systems
- Custom solutions for HVAC and industrial applications, featuring the fastest responding immersion package on the market today
- High precision thermostats that help our aerospace customers ensure temperature protection and control in harsh environments

In addition, we've built on our leadership in temperature devices and pressure sensors to develop competitive solutions that combine pressure and temperature. Discover what Sensata can do for you.

TEMPERATURE SENSORS



3000 SENSOR

The 3000 series offers the advantage of today's best temperature sensing technology in standard, low-cost probe assemblies that ensure the technology performs accurately and reliably in demanding applications. Whether surface, liquid, or ambient air sensing is required, the 3000 series is an optimal probe assembly. Flexible leads suitable for welding or soldering provide reliable connections and greater access to remote locations.



4000 SENSOR

The 4000 Series is a universal cable temperature sensor probe utilizing a highly accurate Class AA PT1000 RTD. It delivers high accuracy, and fast response time in an IP69K housing with silicon jacketed wire, making it applicable for a wide range of temperature sensing applications. Offering increased ingress protection and added wire strain relief, this is a robust package built for tough applications like in HVAC equipment, heat pumps, water heaters, and industrial heating and cooling equipment.



5024 SENSOR

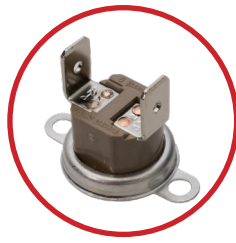
The 5024 EGR Series is a mid-range temperature sensor built for harsh environments and pollutant regulating applications. Any system that requires engine gas recirculation is a candidate application for use with the 5024 Series. Outside of EGR applications, the 5024 would be a great temperature sensor for harsh environment applications that need reliable temperature sensing up to 300°C.



DARTS SENSORS

The DARTS series is a line of thin film platinum RTD based temperature sensors ideal for demanding air conditioning, refrigeration and industrial applications where long term reliability is a must. Each configuration is specifically optimized for cost, robustness, and high absolute accuracy. The DARTS line is designed to meet the most demanding environmental and temperature applications with a hermetic seal around the sense element and continuous use temperature up to 850°C.

THERMOSTATS



1NT THERMOSTATS

1NT thermostats are single throw, snap-action, fixed temperature thermostats suitable for a variety of industrial and commercial applications. 1NT is recognized by agencies around the world and depending on its configuration and application, is widely used as a regulating thermal switch, over-temperature control or pilot duty control switch.



5003 THERMOSTATS

The 5003 series is a, positive snap action, single pole / single throw, bimetallic thermostats which provides accurate and reliable sensing and switching in a single device. It is ideal for applications when space is at a premium with overall depth, without projecting terminals, being only 0.250 in. For high humidity and contaminating atmosphere applications, the device is sealed with a non-volatile resin.



5011 THERMOSTATS

Designed to meet demanding shock and vibration requirements, the 5011 series thermostat is a positive snap action, single pole / single throw, hermetically sealed unit. Normally supplied with a grounded case construction, an additional terminal can be provided on the case for a positive ground lead or as an isolated device when the unit is insulated from ground.



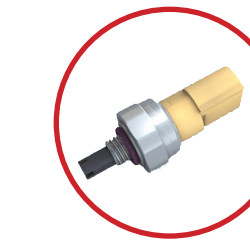
5100 THERMOSTATS

The 5100 series is a single pole, single throw, snap-action, hermetically sealed temperature control designed for applications requiring high vibrational resistance in an isolated case. The snap-action disc is located in the very tip of the probe, assuring rapid and true response to temperature. The welded construction of this sealed thermostat ensures meeting thermal shock specifications of MIL-STD-202, method 107, test condition B. In addition, the tube will withstand a pressure exposure limit of 1500 PSI.



3NT THERMOSTATS

3NT thermostats are moisture and dust-resistant automatic resetting thermostats. The core of the 3NT is the proven 1NT thermostat. Recognized by UL/CSA and KEMA/ENEC agencies, hundreds of millions of the 1NT device are in the field today used in a variety of HVAC, appliance, automotive and specialty applications.



112CP PRESSURE/TEMPERATURE SENSOR

The 112CP allows for the ability to provide pressure and temperature measurements in a unique package. Unlike other integrated packages, the 112CP places the thermistor directly in the measurement medium, which provides faster response time and greater accuracy over encased or pipe-mounted thermistors.