



## CR1 High Performance Thermistor Coating for Harsh Environments

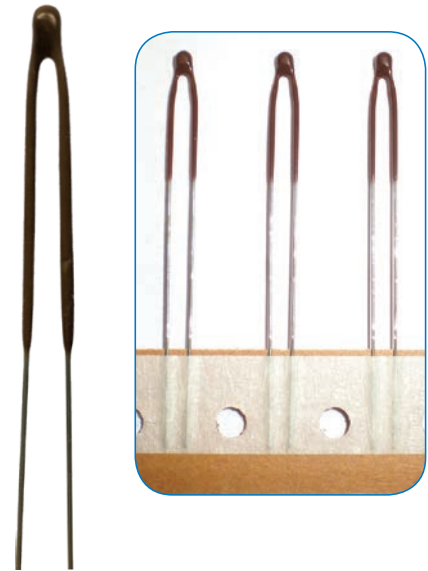
Thermometrics CR1 Coating offers one of the most advanced high performance coatings on the market. Originally developed for the Automotive Industry for harsh environment applications, such as Exhaust Gas Recirculation (EGR) Systems, Air Intake Manifold (AIM) Sensors and Temperature and Manifold Absolute Pressure (TMAP) Sensors, the CR1 Coating offers a unique combination of properties that can be used in many applications where moisture, high temperatures or chemicals can damage other thermistor coatings.

### Benefits

- Tested to AEC Q200 (Material 4A Types)
- Flexible – Coated lead wires can be formed
- Chemical resistance [Acids/Fuels/Urea]
- High temperature operation up to 190°C
- Water immersion, silver migration resistance
- Small body diameter
- High thermal shock resistance
- 1000VDC electrical insulation at 25 °C
- Continuous coating – no joints
- Fast time response
- Alternative to chip-in-glass
  - High operating temperature
  - Corrosion resistant (Glass parts are vulnerable to corrosion/mechanical failure at glass-metal interface.)

### Applications

- Automotive
- HVAC
- Battery
- White Goods
- Marine
- Aerospace
- Military
- Industrial
- Healthcare



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