

CR1 High Performance Thermistor Coating for Harsh Environments

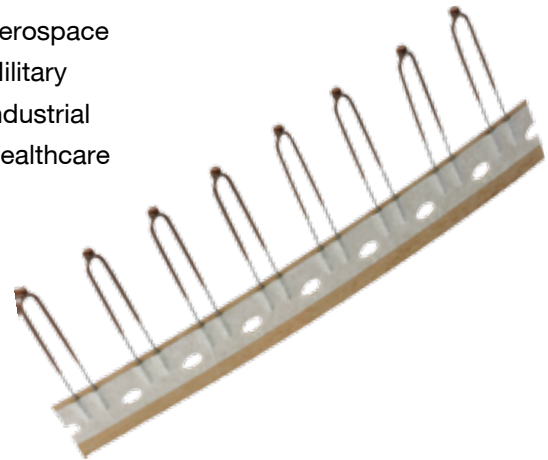
Thermometrics new CR1 coating offers one of the most advanced high performance coatings on the market. Originally developed for the Automotive Industry for harsh environment applications such as Exhaust Gas Recirculation (EGR) systems, Air Intake Manifold (AIM) sensors and Temperature and Manifold Absolute 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

- AEC-Q200 Rev D qualified
- Flexible – coated lead wires can be formed
- Chemical resistance [Acids/Fuels/Urea]
- High temperature: operation up to 190°C
- Water immersion
- 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 sensors
 - High operating temperature
 - Corrosion Resistance (glass parts vulnerable to corrosion/mechanical failure at glass-metal interface)

Applications

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



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We offer industry leading domain expertise, rapid customization, world-class manufacturing capability and lasting customer relationships to deliver the greatest value in cost of ownership to our customers.