

Temperature sensor

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Temperature sensor



An NTC thermistor is used to measure temperature. A thermistor is a resistor used to measure a change in temperature via the related change in resistance.

For an NTC (negative temperature coefficient) thermistor, the resistance decreases with increasing temperature. A power supply is required, usually 5 volts fed through a load resistance to limit the current inside the sensor to 1 mA.

Electricfil solution - ready technologies

Characteristics

- Temperatures -40°C to +130°C
- High accuracy ($\pm 1^\circ\text{C}$ at 110°C)
- Optimized response time
- Current draw < 1 mA
- Interface: 2-wire, PWM or analog output

Electricfil knowhow

- Custom solutions for outstanding performance
- Compatibility with severe immersion tests
- More than 15 years of experience to meet all special needs

Application domains

Energy management

[Battery](#)