



## Engine/Battery Coolant Temperature Sensors

Coolant Temperature Sensors (CTS) monitor the temperature of coolants in various applications. In the event of over-temperature, the sensor relays a notification signal so action(s) can be taken to prevent permanent damage or even unsafe conditions.

In engine coolant applications, CTS monitor the temperature of the coolant that is being pumped around a vehicle's engine block to cool the engine. If the engine starts to overheat, the sensor relays a signal to notify the driver of the vehicle.

These sensors can also be used in Electric Vehicles (EV) to monitor the temperature of the coolant that is being pumped around the battery to cool the battery module. Again, if over-temperature conditions are detected, the sensor relays a signal to notify the driver of the vehicle.

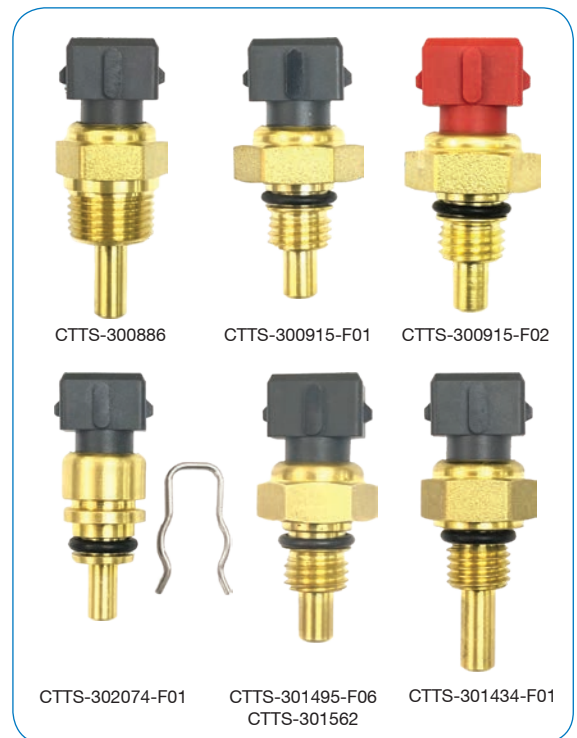
Thermometrics offers various configurations and specifications of Coolant Temperature Sensors.

### Features

- Operating Temperature: -40°C ~ 125°C
- Fast Response Time: ≤15s
- Long term stability
- Existing field-proven design
- Compliance with RoHS
- Mating with TE 282189 connector
- Mainstream installation is optional (clip and screw)
- Alternate RvT curves available per request

### Applications

- Engine Coolant Temperature
- Water Temperature
- Industrial-Process Flow Measurement
- HVAC Water Management
- Home Appliances



### Ordering Options

Part No.	Resistance @25°C	Screw Type	HEX Size
CTTS-300886	2.6KΩ	NPT3/8	HEX19
CTTS-300915-F01/F02	2.08KΩ	M12x1.5-6g	HEX21
CTTS-301562	100KΩ±%	M12x1.5-6g	HEX19
CTTS-302074-F01	2.049KΩ	Clip	/
CTTS-301434-F01	2.073KΩ	M12x1.5-6g	HEX19
CTTS-301495	10KΩ±1.5%	M12x1.5-6g	HEX19