



T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E

Product Spotlight



Coolant Temperature Sensor

The coolant temperature sensor monitors the temperature of the coolant that is used to cool the battery module of EV/PHEVs. This sensor's purpose is to relay an over-temperature battery condition to the battery management system (BMS). The vehicle system will use this information to control the battery charging and overheating to prevent damage to the battery.

Features

- R@25°C: $2828\Omega \pm 1.3\%$
- B (25/85): $3975K \pm 0.75\%$
- Operating Temperature Range: -40°C ~ 100°C
- Operating Pressure Range: 0 Bar ~ 30 Bar
- Burst Pressure: 100 Bar (max)
- Response Time: <12 seconds from 25°C to 85°C in water
- Installation Torque: 5.0 N-m ~ 9.5 N-m
- New Version Connector: USCAR 064 SEALED (Designed IP67 Compliant)
- RoHS Compliant (Directive 2002/95/EC)



Previous Version
P/N: GE-1920
Splash-proof connector

New Version
P/N: WTF083B001
Sealed connection system

Applications

- Battery Coolant Temperature
- Refrigerant Temperature

Ordering Options

Part Number	Resistance @ 25°C
WTF083B001	$2828\Omega \pm 1.3\%$
GE-1920	$2828\Omega \pm 1.3\%$

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