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Engine Temperature Sensor (ETS) – GE-1711/GE-1797

Applications

- Engine coolant temperature
- Engine oil temperature
- Engine head temperature
- Engine fuel temperature

The engine temperature sensor monitors the temperature of the coolant that is being pumped around the engine block to cool the engine. This sensor's purpose is to notify the driver of the vehicle if the engine starts to overheat. The goal is to relay an over temperature engine temperature signal to the driver so that the vehicle can be stopped and the engine switched off before any permanent damage to the engine is done.

Features

- High accuracy and long term stability
- Fast response time
- Pigtail connector
- Existing field proven design
- Alternate RvT curves available
- Different geometries/connection systems to meet package requirements
- 180°C Max operating temperature
- Both Brass and SS configurations available depending on media/interface/environment
- Other resistance and beta values available



Engine Temperature Sensor (ETS) Specifications

Operating Temperature Range

-40°C to 180°C – Refer to print

Storage Temperature Range:

-40 to 150 °C

R @ 25°C :

10k Ohms

Response time:

4 seconds liquid to liquid

Housing Material

GE-1711 = C34500 Brass

GE-1797 = 316 Stainless Steel

Weight:

~28 grams

Connector

Delphi Metri-pack 150

Mating Connector

P/N 12052641

R vs. T

TEMP (° C)	RESISTANCE (OHMS)	TOL (-) (°C)	TOL (+) (°C)
-40	333562.4	1.18	1.13
-25	129925.3	1.18	1.14
0	32639.9	1.16	1.14
25	10000	1.14	1.14
85	1070.0	2.15	2.08
100	678.1	2.44	2.36
180	96.1	4.29	4.05



