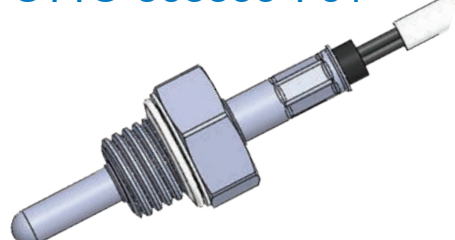


T H E R M O M E T R I C S
A C O M M I T M E N T T O E X C E L L E N C E
AN AMPHENOL COMPANY

Exhaust Gas Recirculation (EGR) Sensor

CTTS-303355-F01



Description

Thermometrics Automotive Exhaust Gas Recirculation (EGR) Sensor is used to detect the operating temperature of the exhaust pipe to determine operating conditions and potential system failures. This sensor can be used in the exhaust gas and the low temperature sensor is used in the in-take air stream. Designed for fast response, optimized for thermal dissipation and suitable for high vibration and corrosive environments.

Features

- Operating temperature range: -40° ~ 400°C
- Sumitomo connector 6181-0532, IP67
- M10x1.25-6g thread, SUS304L steel body
- Existing field proven design
- High accuracy and long-term stability
- Compliance with RoHS
- Extremely fast response
- Alternate RvT curves available per request
- Suitable for various extreme environment application

Applications

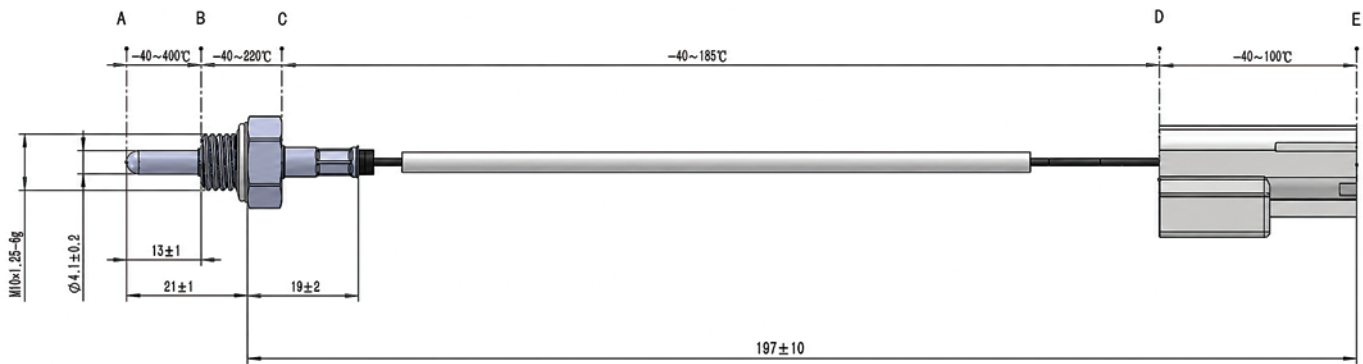
- Exhaust pipe temperature monitor
- Air in-take temperature monitor



Amphenol Sensors

EGR Sensor Specifications (CTTS-303355-F01)

Dimensions



Operating Temperature Range

Temperature Transition Map		
Rated Temperature		Max Temp with 5 Minutes
A~B	-40°C - 400°C	430°C
B~C	-40°C - 220°C	260°C
C~D	-40°C - 185°C	200°C (Wire PFA Insulation and NTC Glass Fiber Can Comply Up to 260°C as Working Temperature)
D~E	-40°C - 100°C	120°C

Storage Temperature Range

-40°C to 100°C

R @ 100°C

13.06 Kohm ±2.5%

Beta

(100/200)°C - 4537K ±3%

Response Time

T63≤11.5 seconds

Gasket Material

Zinc Plated Low-Carbon Steel

Connector

Sumitomo 6181-0532

Resistance vs. Temperature			
TEMP (°C)	Resistance Nominal	Resistance Low	Resistance High
-40	9343.4	7317.9	11922.1
0	806.3	687.8	944.6
50	78.3	72.1	84.9
100	13.1	12.7	13.4
150	3.16	2.95	3.38
200	0.998	0.903	1.107

Part No.

CTTS-303355-F01

