

**THERMOMETRICS**  
A COMMITMENT TO EXCELLENCE  
AN AMPHENOL COMPANY

# GE Series Fluid Temperature Sensors

The **Thermometrics GE Series Fluid Temperature Sensors** are engineered for automotive, heavy-duty on/off-road vehicles, marine, and industrial applications, delivering outstanding durability and accurate temperature measurement. Their rugged design ensures dependable performance even in the harshest operating environments.

## Features

- Internal environmental seal (connector to shell)
- Fully potted design is highly resistant to severe vibration applications
- Rugged high temperature materials
- Crimpless conductive path for NTC connection
- Pre-applied thread sealant on NPTF versions
- Customized thread and hex sizes possible

## Applications

- Engine coolant
- Engine oil
- Transmission fluid
- Hydraulic oil
- Gearbox oil
- Liquid cooling systems

## Part Numbers and Specifications

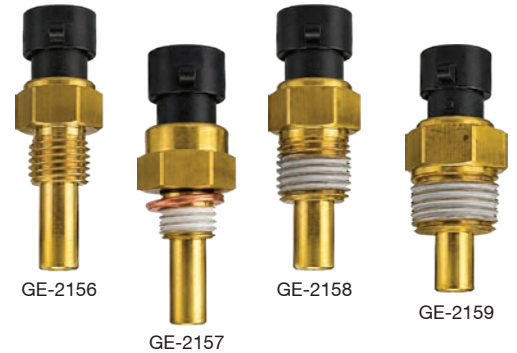
Group A									
Part No.	Thread Size	Sealing Type	Seal Material	O-Ring Size (ID x C/S)	Hex Size (mm)	Tip Length (mm)	Tip Dia. (mm)	Housing Material	Connector Type
GE-942	1/2"-20 UNF	SAE J1926 O-Ring	Not Included	0.41" x 0.07"	19	25.3	7.8	Brass CDA 345	Metri-Pack 150.2, Mushroom Index
GE-1022	M14 x 1.5	ISO 6149 O-Ring	Nitrile, 90 Duro	11.3mm x 2.2mm	19	25.3	7.8		
GE-1067	M14 x 1.5	ISO 6149 O-Ring	Not Included	11.3mm x 2.2mm	19	25.3	7.8		
GE-1330	1/2"-20 UNF	SAE J1926 O-Ring	Not Included	0.41" x 0.07"	19	50.7	7.8		
GE-1337	1/2"-20 UNF	SAE J1926 O-Ring	Not Included	0.41" x 0.07"	19	35.3	7.8		
GE-2093	M14 x 1.5	ISO 6149 O-Ring	Nitrile, 90 Duro	11.3mm x 2.2mm	19	52.0	7.8		
Group B									
GE-2156	M14 x 1.5	M14 Sealing Washer	Not Included	N/A	19	28.6	8.3	Brass CDA 345	Metri-Pack 150.2, Mushroom Index
GE-2157	M12 x 1.5	M12 Sealing Washer	Copper	N/A	19	27.0	8.3		
GE-2158	3/8"-18 NPTF	Pipe Thread	Thread Sealant	N/A	19	28.6	8.3		
GE-2159	1/2"-14 NPTF	Pipe Thread	Thread Sealant	N/A	22.2 (7/8")	28.6	8.3		

# Amphenol Sensors

### Group A



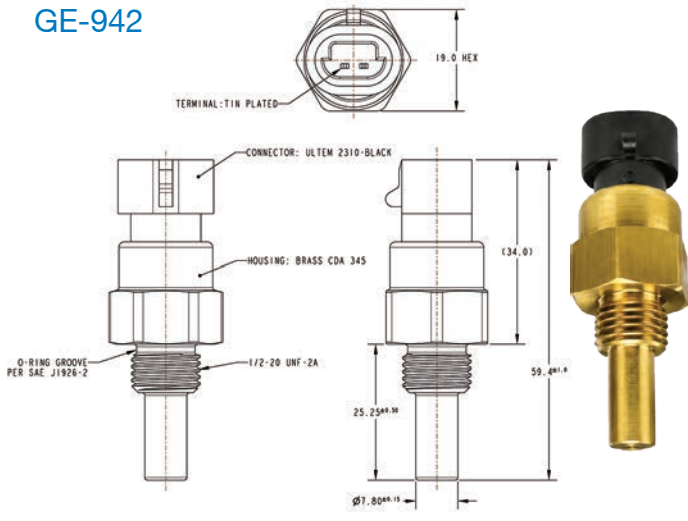
### Group B



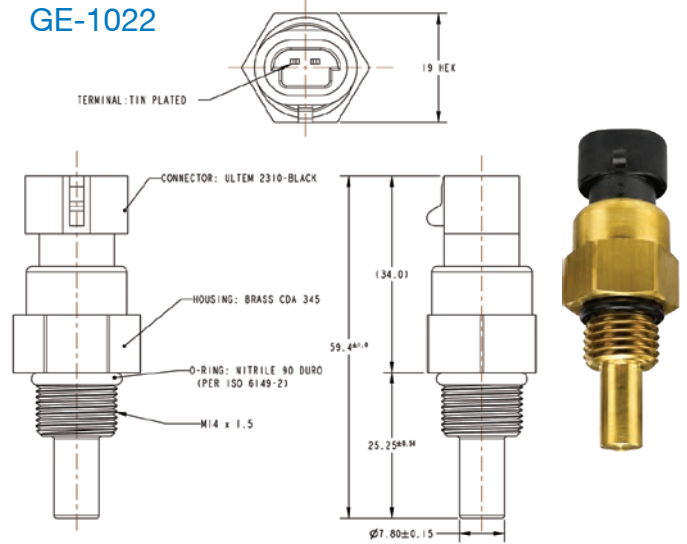
# GE Series Fluid Temperature Sensors Dimensions

## Group A: GE-942, GE-1022, GE-1067, GE-1330, GE-1337, and GE-2093

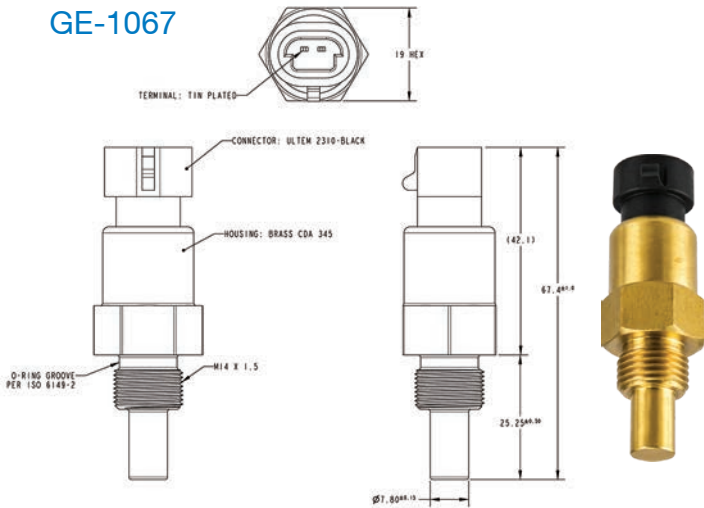
GE-942



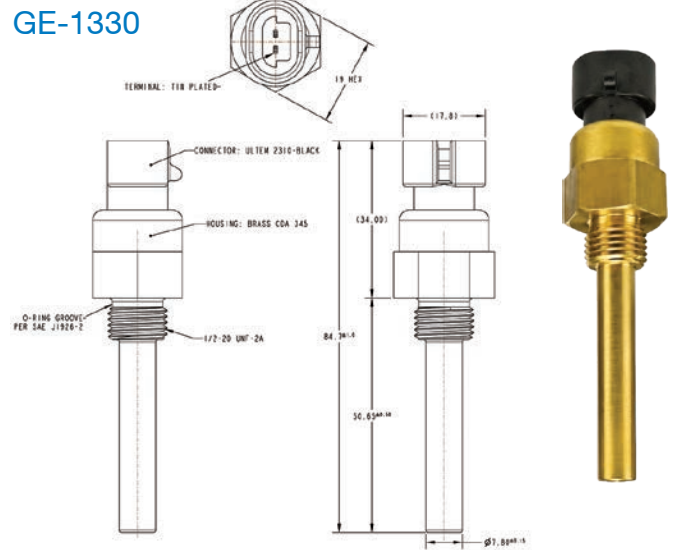
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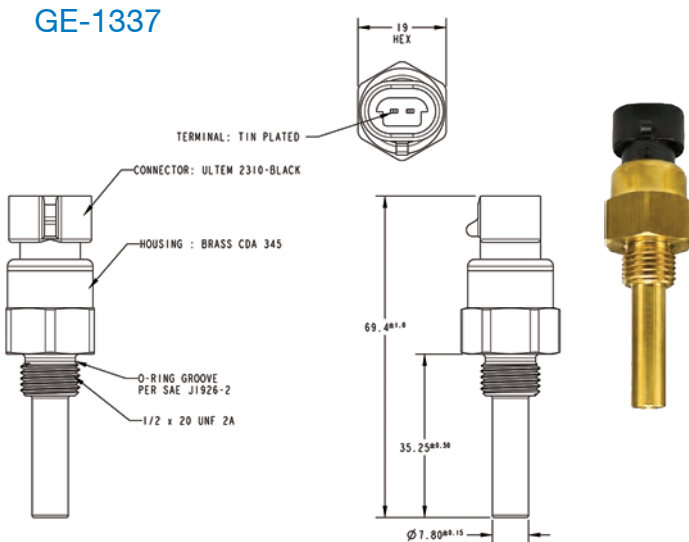
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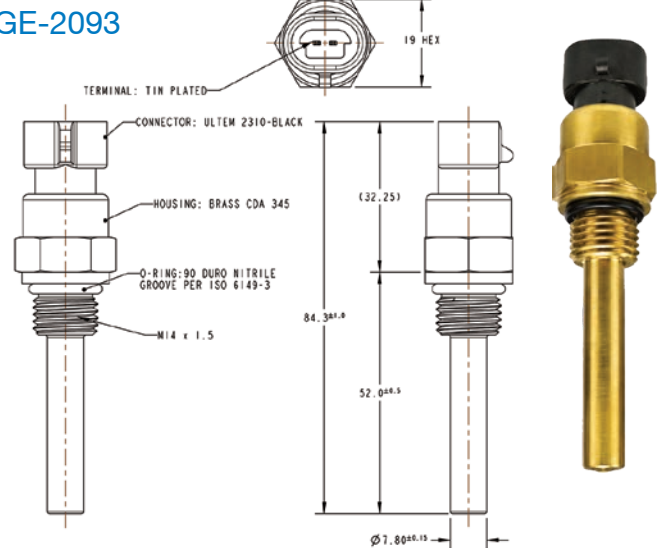
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GE-1337



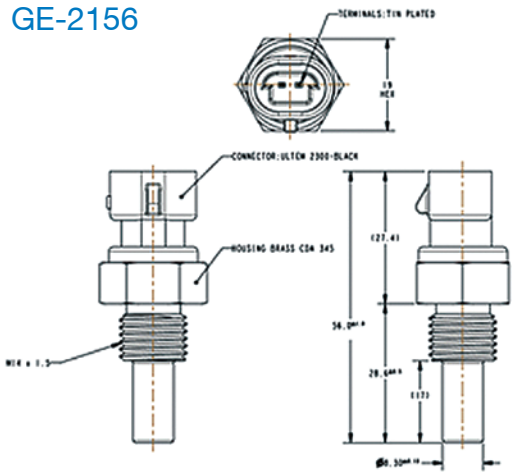
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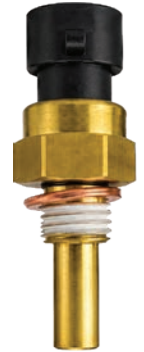
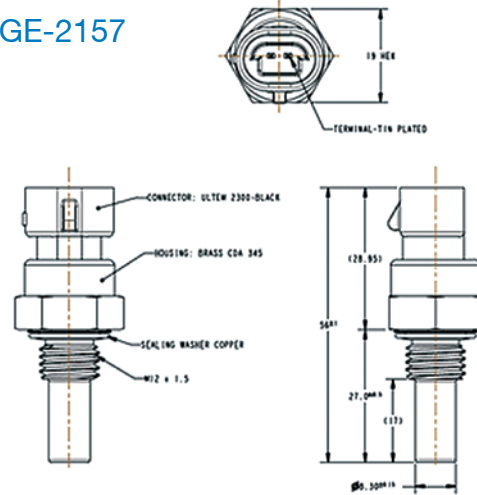
# GE Series Fluid Temperature Sensors Dimensions

## Group B: GE-2156, GE-2157, GE-2158 and GE-2159

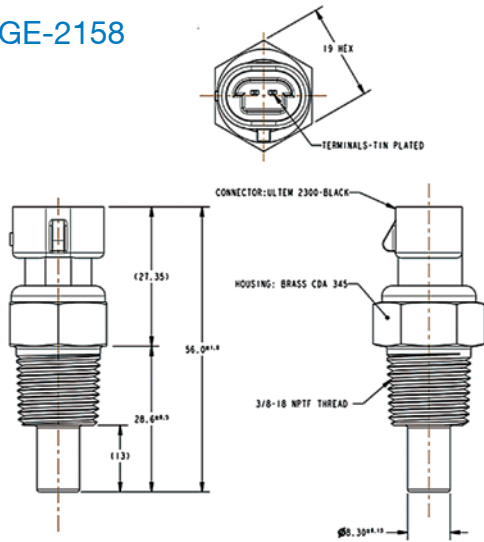
GE-2156



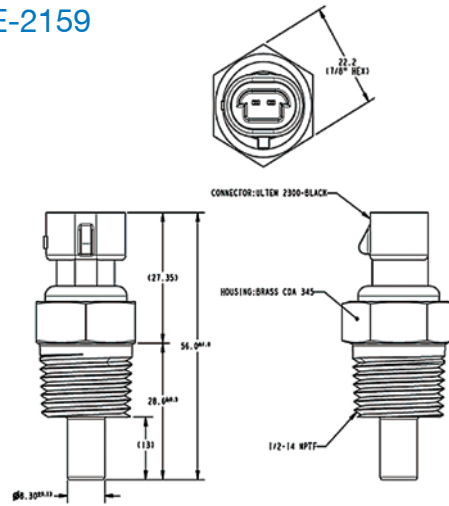
GE-2157



GE-2158



GE-2159



# GE Series Fluid Temperature Sensors Specifications

## Group A: GE-942, GE-1022, GE-1067, GE-1330, GE-1337, and GE-2093

### R@25°C

2824 ± 5.00%

### Beta (25/85)

4073K

### Operating Temperature

-40°C to 150°C

### Response Time

≤12 seconds T-to-T 63.2%

### Temperature Accuracy

±0.90°C @ 100°C

### Threaded Shell Material

Brass CDA 345

### Connector Header Material

PEI GF30%

### Connector

Metri-Pack 150.2

Tin plated terminals

### Mating Connector

APTIV (Delphi) 12162193,  
15336004, or equivalent

### Resistance vs. Temperature

Temp. (°C)	Resistance (Ω)	Resistance (±%)	Temp. Tolerance (±°C)
-40	99971	7.64	1.18
25	2824	5.00	1.14
50	990.5	4.22	1.11
85	286.5	3.13	0.99
100	179.9	2.66	0.90
125	88.88	3.22	1.24
150	47.77	3.54	1.53

## Group B: GE-2156, GE-2157, GE-2158 and GE-2159

### R@25°C

2795 ohms ±2.50%

### Beta (25/85)

4073K

### Operating Temperature

-40°C to 150°C

### Response Time

≤12 seconds T-to-T 63.2%

### Temperature Accuracy

±0.56°C @ 25°C

### Threaded Shell Material

Brass CDA 345

### Connector Header Material

PEI GF30%

### Connector

Metri-Pack 150.2

Tin plated terminals

### Mating Connector

APTIV (Delphi) 12162193,  
15336004, or equivalent

### Resistance vs. Temperature

Temp. (°C)	Resistance (Ω)	Resistance (±%)	Temp. Tolerance (±°C)
-40	100865	4.87	0.72
25	2795	2.50	0.56
50	980.3	2.27	0.58
85	283.5	2.00	0.62
100	17.0	2.28	0.76
125	88.3	2.75	1.07
150	47.5	2.90	1.04