THERMOMETRICS
A COMMITMENT TO EXCELLENCE

GE-1116

Cylinder Head Temperature Sensor (CHT)

This temperature sensor monitors the temperature of an engine cylinder head. This sensors purpose is to provide a signal output that is proportional to engine temperature. This signal can be used as an input to a temperature gauge, provide input to an ECU (Engine Control Unit) or control a cooling fan circuit.

Applications

- Engine cylinder head temperature

Features

- High accuracy and long term stability
- Integral sealed connector
- Existing field proven design
- 200°C Max operating temperature
- Stainless steel body

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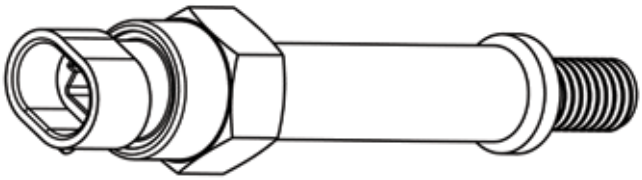
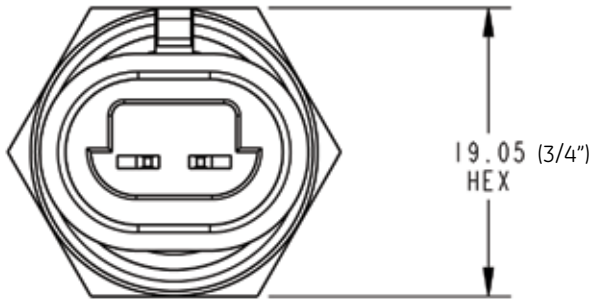
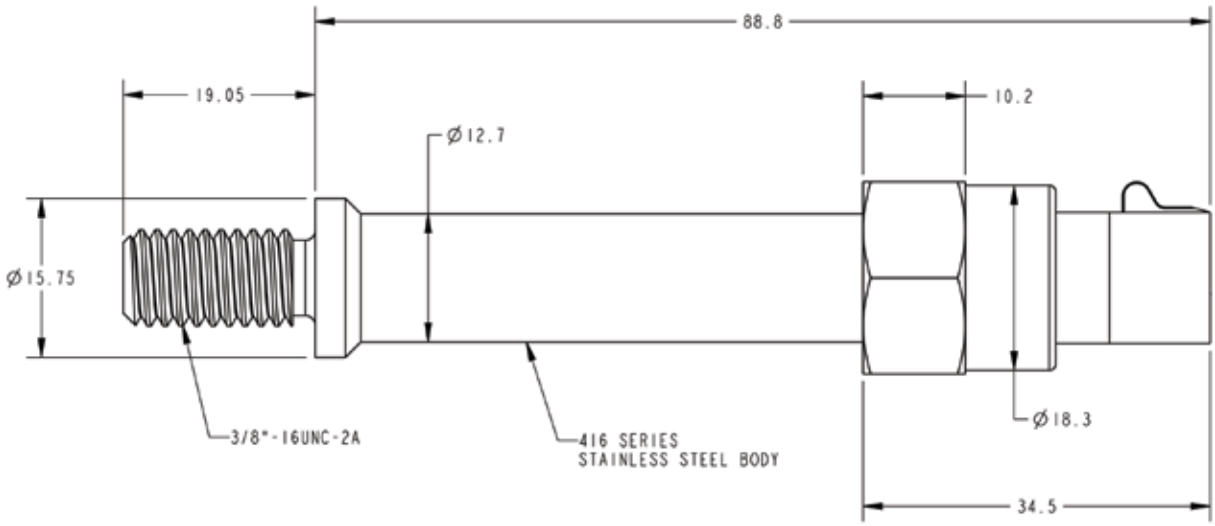
GE-1116 CHT Specifications

- **Operating Temperature Range**
  -40°C to 200°C
- **Storage Temperature Range**
  -40 to 150 °C
- **R @ 100°C**
  190.3 ± 2% Ohms
- **Response Time**
  30 seconds in stirred oil
- **Housing Material**
  Stainless Steel
- **Weight**
  ~80.2 grams
- **Beta (15/100)**
  4080K
- **Connector**
  Delphi Metri-pack 150.2
- **Mating Connector**
  Delphi P/N 12162193

R vs. T			
Temp. (°C)	Resistance (Ω)	Resistance Tolerance (±%)	Temp. Tolerance (± °C)
-40.0	99333	10.51%	1.56
-25	38006	9.15%	1.50
0	9270	9.06%	1.35
25	2767	5.58%	1.25
50	980.2	4.18%	1.09
75	403.6	2.98%	0.91
100	190.3	1.92%	0.70
125	102.0	2.60%	1.16
150	61.74	2.66%	1.50
175	41.85	2.86%	2.12
200	31.33	2.77%	2.82







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