



Fast Time Response Stainless Steel Sensor with Flying Leads



Current Application:

Presently being used for an aftermarket add on for a motor cycle engine to sense the temperature of the cylinder head. The probe replaces one of the bolts that screws into the cylinder head. The probe was chosen not only for its ruggedness, temperature rating and fast response but also because of the space constraints that would not allow enough room for the mating connector to hook up to the assembly if it was an integral connector probe.

Electrical information:

- 2,820 ohm at 25°C. Beta (25/85) = 4073K. Optional resistances and betas available
- Typical temperature accuracy of around $\pm 1^\circ\text{C}$ at 25°C and $\pm 3^\circ\text{C}$ at 200°
- Response time from air to a stirred liquid is 6 to 10 seconds
- Temperature rating is -40°C to 230°C at the tip of the assembly
- Back of probe is rated for 200°C

Physical information:

- Probe housing is tempered stainless steel
- Construction of the probe is moisture resistance
- Leads exit the back through a sealed high temperature grommet
- Protective sleeve over the wire is for both temperature and mechanical protection
- Designed to survive the vibration rigors of automotive, small gas engine, motor cycle and outboard engine applications

Potential Markets:

- Outboard Marine Engine manufactures
- Automotive Engines
- Motor Cycle Engines and other small gas engine manufactures
- HVAC chiller and boiler manufactures
- Any application where a moisture resistance threaded probe is needed

No tooling PN : GE-1571

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