

Resistance Temperature Sensors

EXTENDED
CAPABILITY

ENVIROSEAL™ HD Sensors

Watlow's ENVIROSEAL™-HD temperature sensor keeps out moisture, oil and contaminants in all heavy-duty applications including those outside applications exposed to harsh weather, oils and other extreme moisture environments. The ENVIROSEAL-HD sensor is designed to provide accurate, dependable measurements in high-vibration environments.

Features and Benefits

Submersible and 1200psi pressure wash rated seal (not including connector area)

- Protects the sensor from washdown or other extreme moisture environments

Oil resistant materials

- Sensors maintain a long life even when exposed to oil, gasoline or diesel fuel

Vibration resistant design, 25 lb pull out force rating

- Tough, rugged design to hold up to the roughest applications

-40 to 392°F (-40 to 200°C) sensor temperature rating

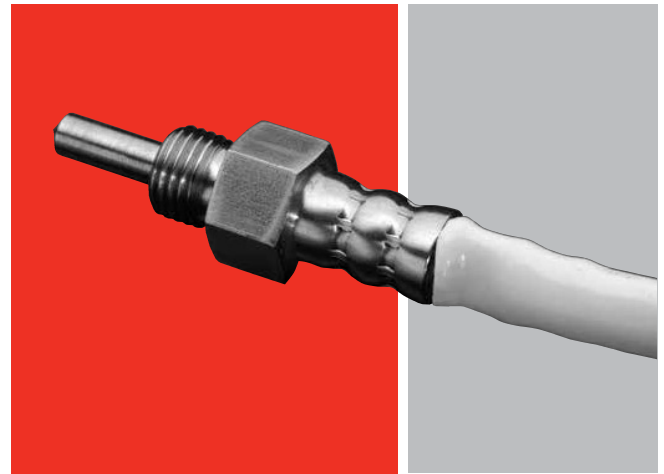
- Offers superior application flexibility

Time response of two seconds

- Fast response measures 63.2 percent (first order) of the temperature change in two seconds or less

250psi threaded fitting pressure rating

- Suitable for most rugged applications



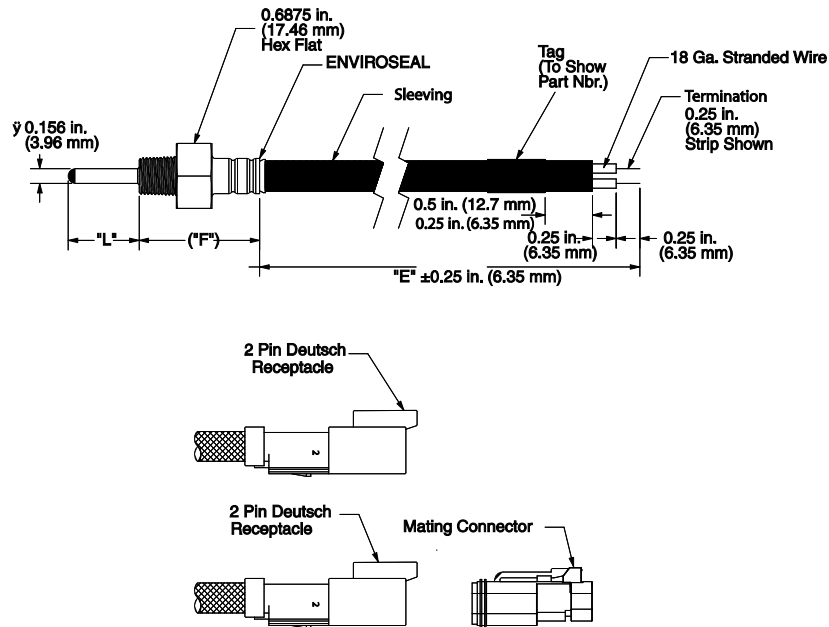
Typical Applications

- Engine coolant or oil
- Refrigeration or condensation units
- Industrial equipment
- Heat exchangers
- Gear boxes
- Hydraulic fluid
- Marine

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Sensor Types:

- RTD or thermistor
- Sheath length: 0.75 to 3 inches
- Fitting: 1/4 inch NPT or 1/8 inch NPT male thread either brass or 316 stainless steel
- Lead length: up to 24 inches
- Lead wire: 18 gauge stranded with Tefzel® insulation
- Lead wire terminations: stripped leads or Deutsch 2 pin connector or similar automotive style connector