



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

Outside Air Temperature Sensor (OAT)



Thermometrics Outside Air Temperature (OAT) Sensor measures the temperature outside the passenger compartment of a vehicle, and is typically mounted inside or near the front bumper or in the side mirror.

The OAT sensor relays the outside air temperature to the controller of the automatic HVAC system. The controller uses this temperature to assist in controlling the interior temperature of the vehicle.

The OAT sensor also provides the vehicle occupants with temperature readings from outside the car, which is particularly useful when driving in near freezing or freezing conditions.

Applications

- Outside Air Temperature Measurement
- Under-hood or Outside Temperature Measurement

Features

- Low cost
- High sensitivity
- Wide application range
- Compact design
- Integral sealed connector
- Small size
- Single hand installation without tools
- Alternate RvT curves available
- Other resistance and beta values available
- Different geometries to meet package requirements

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