



# HIGH TEMPERATURE SENSOR

HTS

## Description

High temperature sensor measures vehicle exhaust gas temperature in aftertreatment applications for control, monitoring and diagnostics; used in conjunction with DPS, CPS, and HCM sensors.



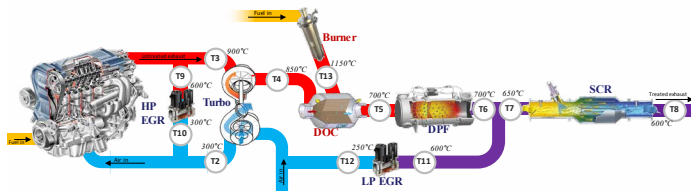
## Features

- Measures exhaust temperature at multiple points to use as inputs for reducing emissions while maximizing fuel economy
- Enables engine controller to appropriately regulate exhaust gas aftertreatment systems

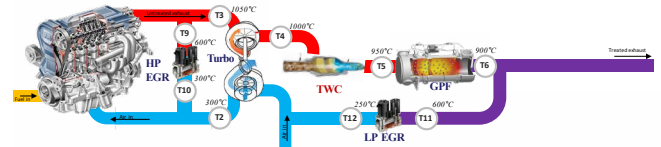
## Applications

- Control, monitoring and protection of Diesel Particulate Filter on Diesel vehicles
- Control, monitoring and protection of Gasoline Particulate Filter on Gasoline vehicles
- Monitoring of SCR-catalysts for heavy duty Diesel engines
- Protection of temperature-sensitive components (e.g. turbo charger)
- Integrated into On-Board-Diagnostic Systems: detection of light-off temperature of catalysts
- Detection of temperature window to guarantee maximum efficiency of the catalysts
- Measurement of EGR-exhaust gas temperature

## Disel



## Gasoline



## SPECIFICATIONS

### Electrical

Sensor Type	Analog	Digital
Sensing element	PT200	Thermocouple N-type
Operating temperature	From -40°C up to 900°C, peak 950°C	From -40°C up to 1050°C, peak 1150°C
Protective cover	Alloy 601	Alloy 601

