

Heraeus Sensor Technology Temperature Sensors for the Automotive Industry



Developments in the automotive sector exhibit trends which would have been inconceivable a few years ago. Advanced diesel engine technologies have resulted in significant reductions in both fine-particle and NO₂ emissions. A fundamental requirement for this technology is a precise drift-free temperature measurement, made possible with the Heraeus high-temperature thin film Platinum temperature sensor.

Platinum temperature sensors from Heraeus Sensor Technology improve our quality of life in numerous ways.

Their application in car diesel particulate filters, in the oil sump, and in the exhaust feedback loop helps to protect the environment.

The continuous measurement of the oil temperature is a basic requirement for determining the oil quality. The continuous monitoring of oil quality results in longer intervals between oil changes and improved engine reliability.

Heraeus has also applied thin film Platinum technology to high-temperature flow sensing. Building upon standard automotive air mass-flow sensor technology, Heraeus has developed a high temperature EGR sensor.

