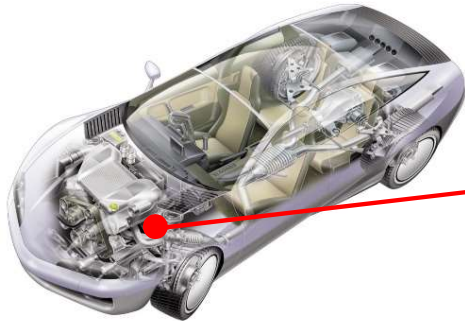


## ZFAS®-U3 wide-range oxygen sensor



### ■ What are the features of the product?



A wide-range oxygen sensor contributes to purifying exhaust gas and reducing electric power consumption as a component of the automotive exhaust gas purification system.

### ■ Why was the product certified as one of the Nittoku Green Products?

Resource saving

Energy saving

Substance of Concern

Electric power consumed by a wide-range oxygen sensor is supplied from the battery in a vehicle. Fuel (gasoline) is used to charge the battery. Reduction in power consumption of the sensor helps improve the fuel efficiency of a vehicle.

We aimed to reduce the power consumption of a wide-range oxygen sensor by reducing the size of the element and optimizing the heater design and the control element temperature.

The power consumption has been reduced by more than 50% by making the element smaller than that of a conventional product.

### ■ Comment from the developers

We hope to contribute to improving the fuel efficiency of vehicles by reducing the power consumption of a wide-range oxygen sensor. This also means to contribute to reduction of CO<sub>2</sub> emissions that fall under Category 11 (use of sold products) of Scope 3.

A wide-range oxygen sensor also contributes to reducing harmful gases emitted from vehicles. Delivery of the product also contributes to reducing the environmental impact.

### Electric power consumption under the same conditions

