

## OZAS®-S5, S6 Oxygen Sensor for Motorcycle



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

The oxygen sensor contributes to cleaner exhaust gases as a component of the motorcycle's exhaust gas purification system. Furthermore, this product can activate the sensor even at a low temperature (280°C) compared to conventional products thanks to the high purity of the element material and the miniaturization of the electrode structure. This enables the exhaust gas control system to be activated in a short time from engine start, reducing harmful gas components in the exhaust gas.

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

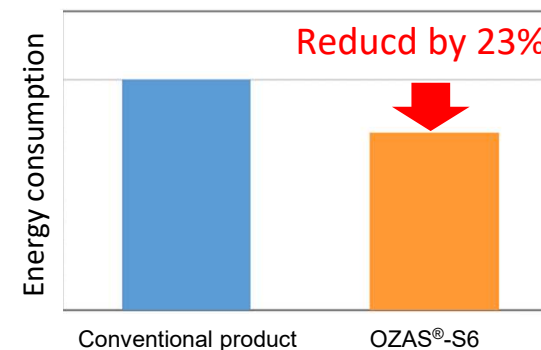
Resource saving

Energy saving

Substance of  
Concern

Improvements in the element material and manufacturing conditions have led to a 23% reduction in the energy required for production. The conventional product used platinum as part of the electrode material, but this product uses an alternative material to platinum that we have developed, reducing the amount of platinum, a rare metal, by more than 30% compared to the conventional product.

### Energy consumption ratio in our own manufacturing process



### ■ Comment from the developers

By enhancing the low-temperature operability of the sensor compared to conventional products, we were able to contribute to the reduction of emissions during two-wheeled vehicle engine startup. We have achieved both improved characteristics and reduced energy usage by lowering the heat treatment temperature in the manufacturing process, which is one of the methods for miniaturizing the electrode structure. Furthermore, we were able to reduce the amount of platinum, a rare metal, used by applying an alternative material to a portion of the electrode. We intend to continue contributing to the reduction of environmental impact by continuously supplying this product to the market.