

## TGS4260 Stationary Potential Electrolytic Oxygen Sensor

characteristic :

- lead free
- 20mm standard package
- linear output
- quick response
- High repetition and selectivity
- long-life
- High impact resistance

apply :

- Oxygen concentration monitor
- Fixed oxygen detectors
- Portable oxygen detector
- Multi-purpose gas detector

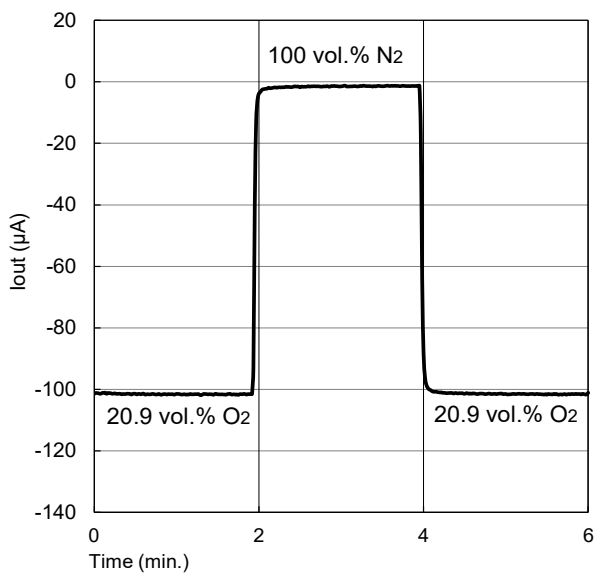
The detection concentration and operating temperature range are wide, and the performance can meet the relevant technical specifications in the United States and Europe.

This sensor can be used for products with strict size requirements, such as portable oxygen detector and multi-functional gas detector.



### Response performance:

The figure below shows a representative gas response measured at 20°C 50% RH conditions (from O<sub>2</sub> 20.9 vol.% to N<sub>2</sub> 100 vol.% exposure, then back to O<sub>2</sub> 20.9 vol.% in).



### Temperature dependence:

The figure below shows the typical temperature dependence of sensor output and response speed in atmospheric O<sub>2</sub> 20.9 vol% under different temperature conditions. Temperature compensation for the sensor output can be easily achieved by using a thermistor. The sensor exhibits extremely fast response speed with negligible temperature dependency.

