

Nitric oxide gas sensor for Combustion gas

Gas Sensor for Combustion Gas
 Amperometric 3-Electrode Nitric Oxide

Features

- Linear output with high accuracy [Fig. 1]
- High performance with long-term stability
- Extreme low interference with CO and H₂
- Low interference with H₂S and SO₂

Specifications

Principle	Amperometric 3-electrode gas sensor
Model	KTS-510A
Detectable gas	Nitric oxide (NO)
Detection range	0~5000ppm
Response time (T ₉₀)	< 20 seconds (20°C)
Operating temperature	-10°C~45°C

Cross-sensitivity gas	Concentration	Response
Carbon monoxide(CO)	10%	< 10ppm
Carbon dioxide(CO ₂)	10%	0ppm
Hydrogen(H ₂)	5%	< 10ppm
Hydrogen sulphide(H ₂ S)	75ppm	< 10ppm
Sulphur dioxide(SO ₂)	75ppm	< 10ppm
Nitrogen dioxide(NO ₂)	100ppm	10~20ppm

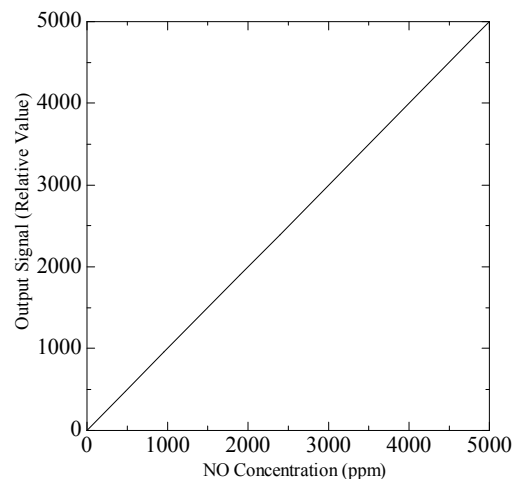


Fig. 1 Sensitivity characteristic