



Nitric oxide gas sensor for Combustion gas

Features

- Linear output with high accuracy [Fig 1]
- High performance with long-term stability [Fig 2]
- No interference with CO and H₂
- Low interference with H₂S and SO₂

Specifications

Principle	Amperometric 3-electrode gas sensor
Model	KTS-110
Detectable gas	Nitric oxide (NO)
Detection range	0~5000ppm
Response time(T₉₀)	<20seconds (20°C)
Operating temperature	-10°C~40°C

Cross-sensitivity

Gas	Concentration	Response
Carbon monoxide(CO)	10%	0ppm
Carbon dioxide(CO ₂)	10%	0ppm
Hydrogen(H ₂)	5%	0ppm
Hydrogen sulphide(H ₂ S)	100ppm	12ppm
Sulphur dioxide(SO ₂)	100ppm	10ppm
Nitrogen dioxide	100ppm	16ppm

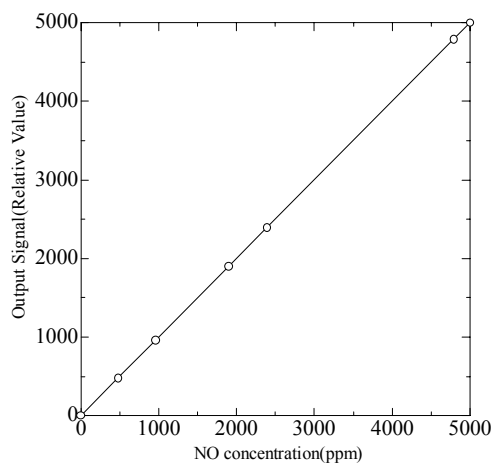


Fig 1 Sensitivity characteristic

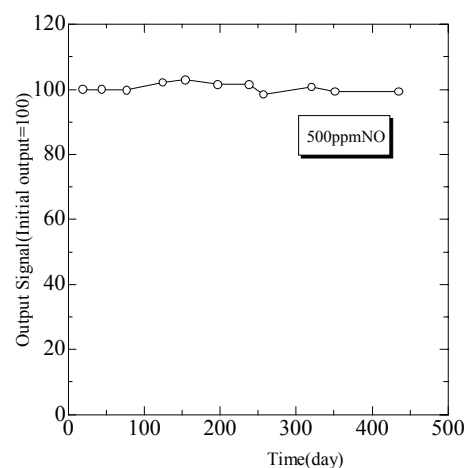


Fig 2 Long-term stability