

Ammonia gas sensor

Features

- Linear output with high accuracy [Fig 1]
- Less temperature dependence [Fig 2]
- Low temperature(-30°C) operation
- Detectable in inert gas(e.g.N₂ etc.)
- High performance with long-term stability [Fig 3]
- Fast response [Fig 4]
- Good selectivity to organic vapor

Specifications

Principle	Amperometric 3-electrode gas sensor
Type	KTS-517A
Detectable gas	Ammonia(NH ₃)
Detection range	0~100ppm
Response time(T _{62.5})	<30seconds
Operating temperature	-30°C~40°C

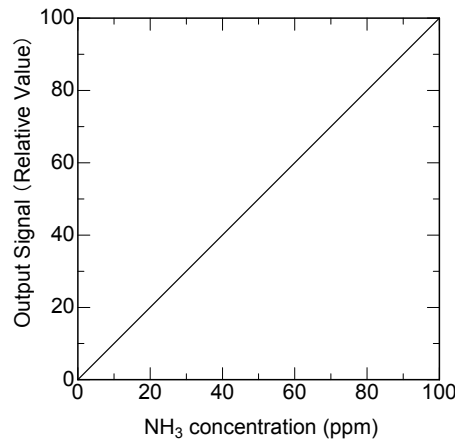


Fig 1 Sensitivity characteristic

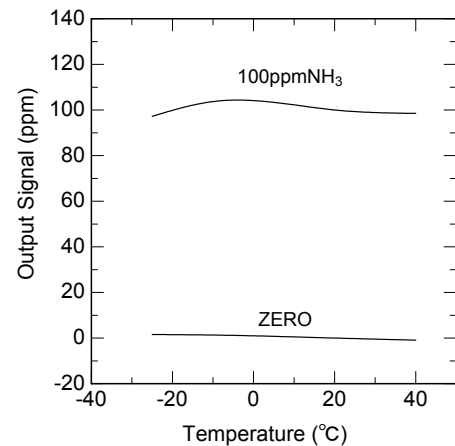


Fig 2 Temperature dependence

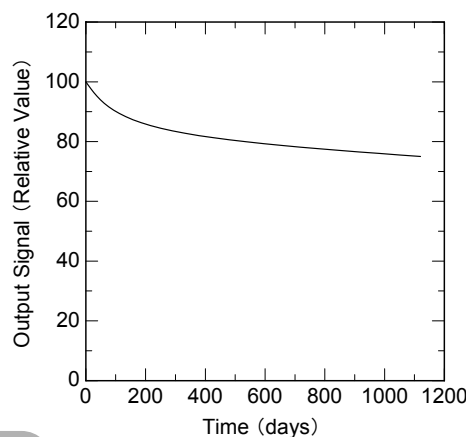


Fig 3 Long-term stability

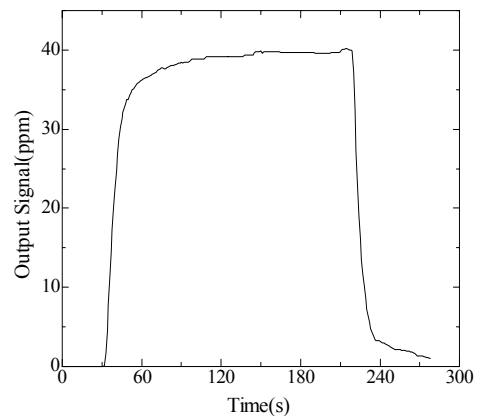


Fig 4 Response