

NAP-66A Catalytic Gas Sensor for Propane / Butane / LPG

The NAP-66A Gas Sensor is a low–cost Catalytic Flammable Gas Sensor designed for the detection and measurement of Propane, Butane, and LPG vapours in the range 0-50% LEL. Developed primarily for use in Residential Gas Detectors, the NAP-66A has also been found to be useful in a wide variety of applications where reliable detection of gas or fuel leaks and other gas hazards is required at low cost.



The NAP-66A uses the superior catalytic "pellistor" detection principle often used in high quality Industrial Gas Detectors. It hence has many benefits over other low cost gas sensor types:

- Monitors flammability directly
- Unaffected by humidity
- Very low long term drift
- Excellent resistance to catalytic poisons
- Single header design for ease of use
- Superb temperature stability
- Resistant to shocks and vibration
- Linear output to 50% LEL

Specifications NAP-66A:

*in Nemoto's recommended bridge circuit Repeatability: Zero: Signal: Expected lifetime:

Long Term Drift	: Zero:	<+/- 5mV/month		
	Span:	<+/- 2%/month		
Linearity:	Effectively Linear to 50% LEL			
Response time(T ₉₀):	<10 seconds		
Note: In practice the response time of a gas sensor is very much dependent on the mounting arrangement within an instrument.				

Environmental Conditions:

	Operating temperature:	-10°C to +50°C
	Humidity range:	0-95% RH
+/- 0.5mV	Pressure:	0.9 – 1.1 atm
+/- 0.5mV	Storage Temperature:	-20°C to +50°C
5 years	Recommended Storage Time:	6 months

More detailed information, covering all aspects of performance, including long term stability, repeatability, environmental tolerances to humidity, temperature, wind, shock, cross sensitivity to other gases, recommended circuitry, handling requirements and an explanation of the operating principles of the NAP-66A, please consult the Handling Manual for the device, available on request.

NAP-66A datasheet April 2008





Detector mark



Bottom view

