

TECHNICAL INFORMATION SHEET NAP-55A Catalytic Gas Sensor, For Flammable (Explosive) Gases

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General Description

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The NAP-55A 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:

Detectable Gas	All Flammable Gases
(Optimised for the Detection of Methane / Natural Gas)	
Recommended Voltage:	2.5V +/- 0.2V
Current Drawn:	170 +/- 10mA
Zero Offset:	0mV +/- 35mV
Signal Sensitivity:	37-53mV for 1% CH ₄
Range:	0-60% LEL
Repeatability:	+/- 0.5mV
Maximum Long Term Drift:	
Span:	< +/- 2% Signal / Month
Zero:	<+/- 2 mV / year
Response Time:	T ₉₀ : <10 sec
Temperature Range:	-20°C to +60°C
Humidity:	0-95%RH, non-condensing
Linearity:	Effectively Linear to 60%LEL
Expected Lifetime	5 years

Test data on drift, poisoning, temperature performance, linearity are available on the Characterisation Document.

Nemoto has a policy of continuous development and improvement of its products. As such the specification for the device outlined in the data sheet may be changed without notice

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Contact Information:

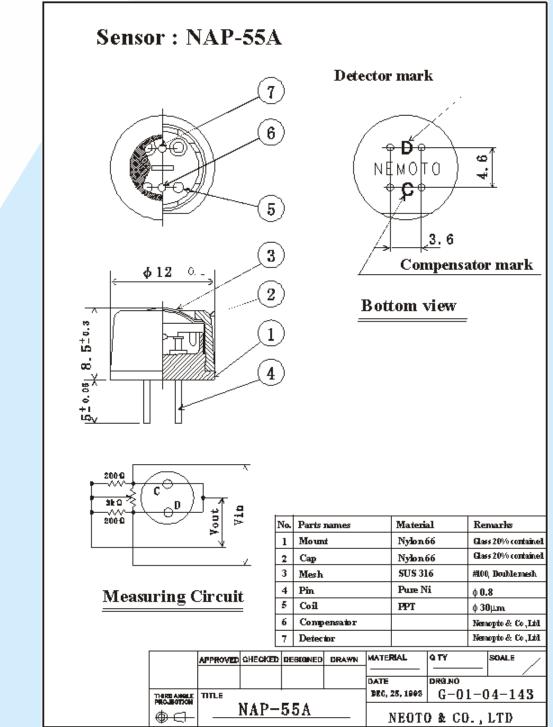
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Dimensions, Materials and Recommended Circuit



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