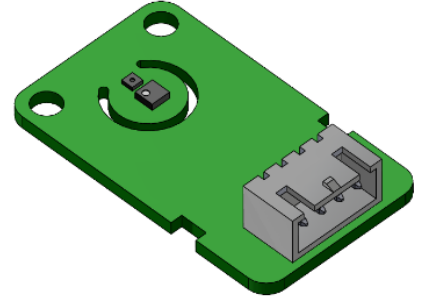


## Product Information

The MGS-104B is a digital gas sensor designed for easy integration into air purifiers or demand controlled ventilation systems. NIDS's technology using Micom offers a complete, easy to use sensor system on a digital I2C interface, providing a humidity compensated VOC based indoor air quality signal.



## Electrical Characteristic

characteristic	Rating
Output Signal	0 ~ 500 IAQ index
Detectable range	0 ~ 1000ppm Ethanol in clean air
Supply voltage	DC 5V ± 5%, Ripple < 100mV at 60Hz
Current Consumption	< 7mA
Out put	I <sup>2</sup> C
Operating Temp. Range	-10~50°C
Operating Humidity. Range	90%rh or less (without dew condensation)
Storage temperature	5~30°C
Power up time	< 300 sec
Dimensions	22 x 37 x 9.7 (mm)
weight	3.3 g

### Application Ideas

- ✓ Indoor Air Quality
- ✓ Home Automation and control
- ✓ IoT Solution

## Absolute Maximum Ratings

characteristic	Rating
Supply voltage	4.9V to 5.1V
Operating temperature	-10 to 60
Storage temperature	-30 to 70

## Connector Pin Configuration

NUMBER	SYMBOL	DESCRIPTION
1	SCL/Rx	Serial Port Receiving Pin/I <sup>2</sup> C Clock
2	GND	Ground
3	VCC	Positive Voltage 5 V
4	SDA/Tx	Serial Port Receiving Pin/I <sup>2</sup> C Clock

### Connector

Part Model : SMAW250-04P, Vender : YEONHO

### Product Inquiry

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