

MG811 CO2 Carbon Dioxide Gas Sensor Module Detector with Analog Signal Output



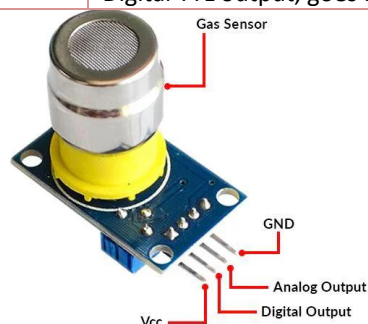
Features:

The MG811 CO2 Sensor Module is a high-sensitivity metal oxide sensor designed for measuring carbon dioxide concentrations from 0 to 10,000 ppm. It provides dual outputs: analog voltage for precise measurement and TTL-level digital output for microcontroller integration. Operating at 6V, the module features fast response and recovery, long-term stability, and simple drive circuitry. The plug-in probe and compact design make it easy to deploy for air quality monitoring, indoor environmental control, or DIY electronics projects using Arduino and Raspberry Pi platforms.

Specifications	
Sensor Type	MG811 Metal Oxide CO2 Sensor
Working Voltage	DC 6V
Analog Output	0–2V (selectable 0–4V)
Digital Output	TTL level, LOW signal when activated
Detection Range	0–10,000 ppm CO2
Response	Rapid response and recovery
Module Size	32 × 22 × 30 mm
Life & Stability	Long life, reliable performance
Compatible Platforms	Arduino, Raspberry Pi
Usage	Indoor CO2 monitoring, environmental detection, DIY electronics

Pinouts:

Pin Name	Type	Description
VCC	Power	6V power supply (can use 4 AA battery holder)
GND	Power	Ground, 0V
AOUT	Output	Analog voltage output, decreases as CO2 increases
DOUT	Output	Digital TTL output, goes HIGH when threshold is reached



Product Pictures:

