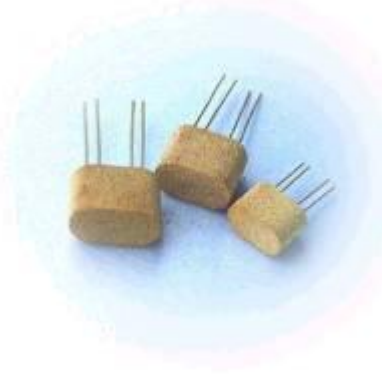


Features

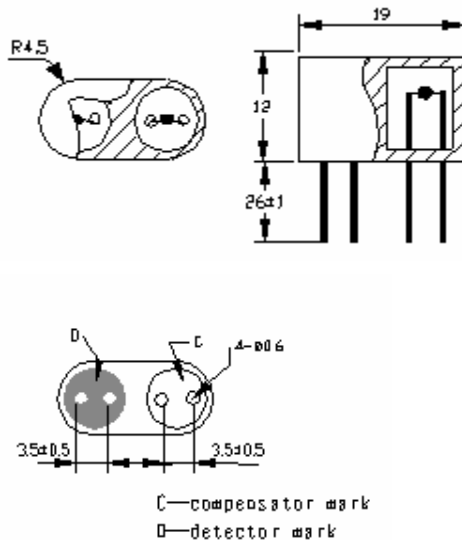
- Wide Detecting Range (0—100%VOL)
- Linear output signal
- Quick response
- Good reproducibility and reliable performance
- Resistant to toxicosis
- Detecting without Oxygen or short of oxygen



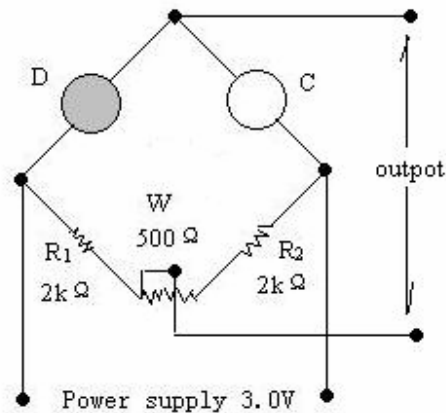
Applications

Domestic, Industrial spot for Natural gas, LPG, coal gas, alkyl etc and gasoline, pure, ketone, benzene and other organic solvent detection. Also suitable for CO₂, CCl₄, freon detection.

Element structure



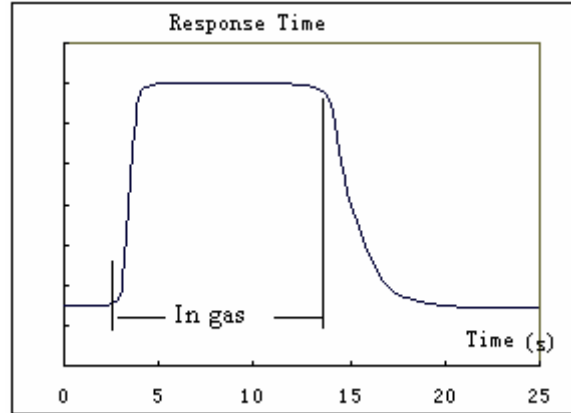
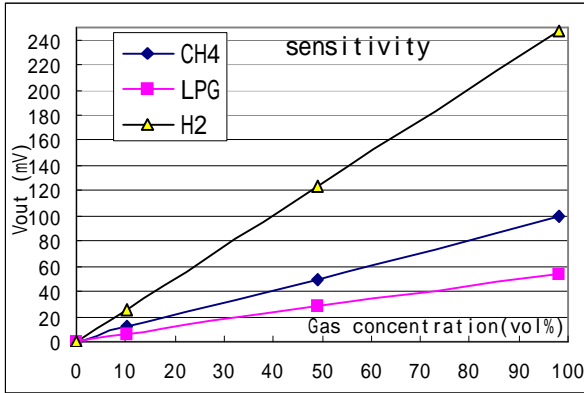
Basic Testing circuit



Specification

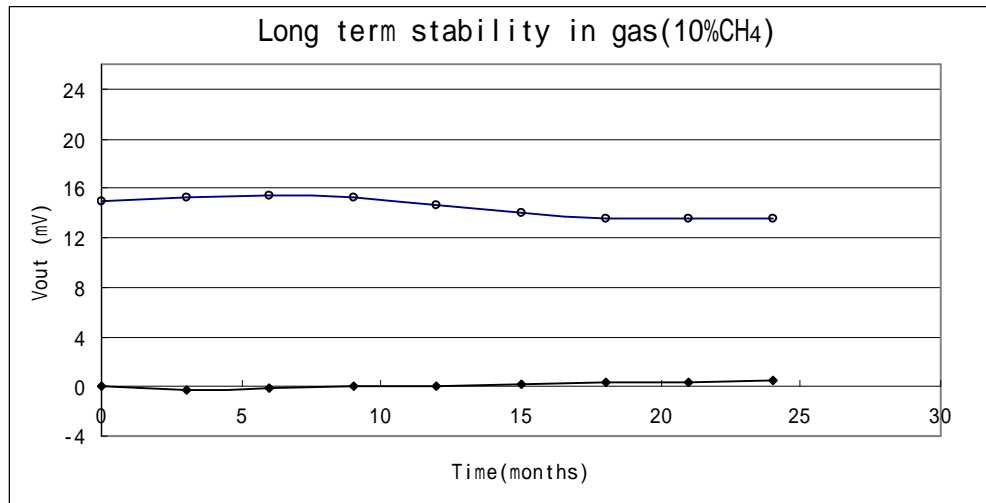
Detecting Range		0~100%vol
Working Voltage(V)		3.0±0.1
Working Current(mA)		@100
Sensitivity mV	10% Methane	>10
	10% Butane	>5
	10% Hydrogen	>24
Linearity (%)		0~5
Response Time (90%)		<10 secs
Resume Time (90%)		<30secs
Using Environment		-20—+60°C <95%RH
Storage Environment		-30—+80°C <95%RH
Dimension (mm)		10×14×18

Sensitivity and response characteristic

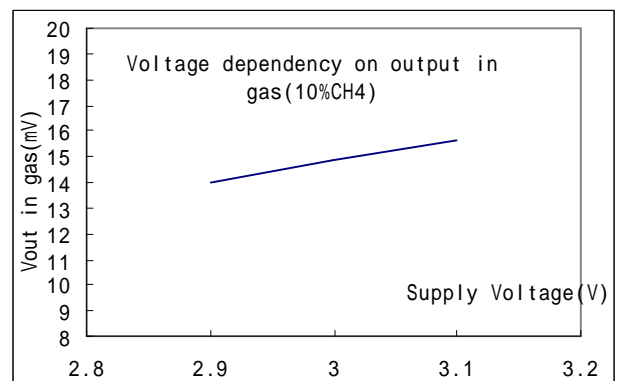
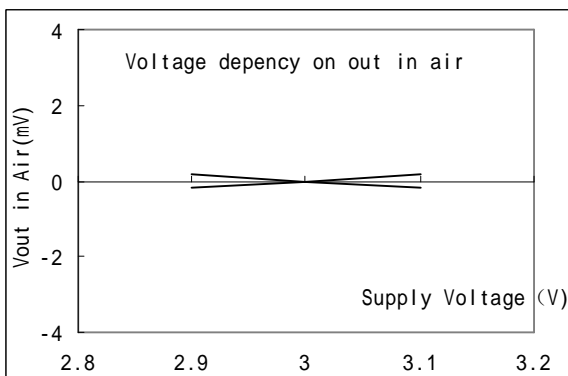


Long term stability

The drift in air is less than 2 mV per year, in 20%CH4 the drift is less than 2mV. for a short period storage (in 2 weeks), the sensor need 10hours' preheating to stabilize, for more than one year storage, it need more than 24 hours' preheating.



MD61 output signal dependency on working voltage



Note

- △ The sensor sensitivity need to calibrate termly.
- △ When debugging, should strict to control the heating voltage or current, do not exceed rated voltage to burn the sensor.
- △ For long period storage, do not put it in wet and corrosive environment.
- △ Shocking, falling, and mechanical destroying is prohibited.