

# Gas-Sensor User Manual

## 1. Product features

<b>Sensitive gas</b>	Liquefied gas, natural gas, gas
<b>Voltage comparator chip</b>	PT1301
<b>voltage</b>	2.5V-5.0V
<b>Fixed hole size</b>	2.0mm

### Principle:

The gas sensing material used in this gas sensor is tin dioxide ( $\text{SnO}_2$ ) with low conductivity in clean air. When there is combustible gas in the environment, the conductivity of the sensor increases with the increase of combustible gas concentration in the air. The gas sensor has high sensitivity to butane, propane and methane, and can give consideration to both methane and propane. The sensor can detect a variety of combustible gases, especially natural gas. It is a low-cost sensor suitable for a variety of applications.

## 2. Main application

Home or industrial monitoring devices for liquefied gas, natural gas and gas.

## 3. Interface definition

PIN	Name	Description
1	AOUT	Analog output
2	DOUT	Digital output
3	GND	GROUND
4	VCC	2.5-5.0V

