

MQ-9 sensor introduction:

The gas sensitive material used by the MQ- 9 gas sensor is two tin oxide (SnO_2) with low conductivity in clean air. Carbon monoxide was detected at low temperature (1.5V heating) by high and low temperature cycle detection. The conductivity of the sensor increased with increasing concentration of carbon monoxide in the air. High temperature (5.0V heating) was used to detect combustible gas methane and propane and to clean the stray gas adsorbed at low temperature. The change of electrical conductivity can be converted into an output signal corresponding to the concentration of the gas by using a simple circuit. MQ-9 gas sensor has high sensitivity to carbon monoxide, methane and liquefied petroleum gas. The sensor can detect various gases containing carbon monoxide and flammable gas, and is a low-cost sensor suitable for many applications.

