

# TGS826

**Product code:** TGS826

**Manufacturer:** Figaro Engineering Inc.



The TGS826 is a semiconductor sensor which has high sensitivity to ammonia gas. The sensor can detect concentrations as low as 30ppm in the air and is ideally suited to critical safety-related applications such as the detection of ammonia leaks in refrigeration systems and ammonia detection in the agricultural field.

The sensing element of TGS826 is a metal oxide semiconductor which has low conductivity in clean air. In the presence of a detectable gas, the sensor's conductivity increases depending on the gas concentration in the air. A simple electrical circuit can convert the change in conductivity to an output signal which corresponds to the gas concentration.

<b>Heater consumption</b>	833 mW
<b>Measurement range</b>	30-300 ppm
<b>Target Gas</b>	Ammonia