

# TGS832-A00

**Product code:** TGS832-A00

**Manufacturer:** Figaro Engineering Inc.



The TGS832-A00 is a semiconductor sensor which has high sensitivity to refrigerant gases commonly used in air conditioning systems and refrigerators such as R-134a, R-404a, R-407c, and R-410. TGS832-A00 has a gas diffusion hole in the sensor cap as well as in the sensor base. By using the sensor with a suction pump, response speed can be accelerated, making it suitable for portable gas leakage checkers.

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>Application field</b>	Industrial
<b>Measurement range</b>	10-1.000 ppm
<b>Target Gas</b>	Refrigerant gases