

# TGS3870-B00

**Product code:** TGS3870-B00

**Manufacturer:** Figaro Engineering Inc.



TGS 3870-B00 is a micro-bead type semiconductor gas sensor for the detection of both methane and carbon monoxide. Using a micro-bead gas sensing structure, both methane and carbon monoxide can be detected with a single sensor element by periodic application of two different heater voltages (high and low).

Miniaturization of the gas sensing bead results in a heater power consumption of only 38mW (average).

TGS 3870-B00 has low sensitivity to alcohol vapors (a typical interference gas in the residential environment) and has high durability, making the sensor ideal for consumer market gas alarms.

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|--------------------------|---------------------------------------|
| <b>Application field</b> | Domestic<br>Industrial                |
| <b>Measurement range</b> | 500-12.500 ppm CH4<br>50-1.000 ppm CO |
| <b>Target Gas</b>        | Carbon Monoxide<br>Methane            |