

FIGARO

FIGARO ENGINEERING, INC.

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Figaro semiconductor type MEMS air quality sensor TGS8100

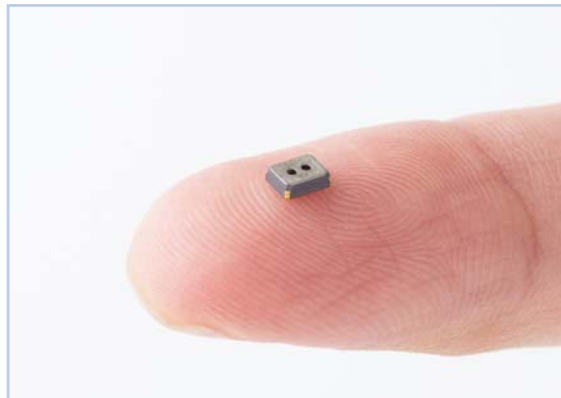
~ Lowest power consumption and smallest size available worldwide

Features:

- * **World's lowest^{*1} power consumption -- 15mW**
- * **World's smallest size^{*1} – 3.2 x 2.5 x 0.99 (mm³)**
- * **Quick response**
- * **High sensitivity to gaseous air contaminants**

Applications:

- * **Air cleaners**
- * **Ventilation control**
- * **Air quality monitors**



Product description:

Figaro Engineering Inc. is pleased to announce its latest offering—the world's lowest^{*1} power and the world's smallest^{*1} metal oxide type indoor air quality sensor TGS8100.

Combining advanced Micro Electro Mechanical Systems technology (MEMS) with Figaro's 40+ years of extensive experience in metal oxide type gas sensing sensors, Figaro has developed a new indoor air quality sensor with the lowest power consumption and the smallest size of any sensor in the market. With its excellent durability and stability, TGS8100 is ideal for applications such as air cleaners, air conditioners and ventilation fan activation in home and office settings.

Due to miniaturization of its sensing chip through use of MEMS technology, TGS8100 is housed in a standard surface mounting package, making it suitable for mass produced devices.

^{*1}: According to Figaro's own investigation

For more info, please contact us.

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Figaro semiconductor type MEMS methane sensor TGS8410

~ Lowest power consumption available worldwide

Features:

- * World's lowest^{*1} power consumption – 87 μ W
- * High sensitivity and selectivity to methane
- * Long life

Applications:

- * Portable/ Pocket type methane gas detectors
- * Battery operable/ Wireless gas detectors
- * Leak detection for natural gas vehicles
- * Leak detection from gas pipeline



Product description:

Figaro Engineering Inc. is pleased to announce its latest offering—the world's lowest^{*1} power metal oxide type methane sensor TGS8410.

Combining advanced Micro Electro Mechanical Systems technology (MEMS) with Figaro's 40+ years of extensive experience in metal oxide type gas sensing sensors, Figaro has developed a new methane gas sensor with the lowest power consumption of any sensor in the market. With its excellent durability and stability, TGS8410 is ideal for applications such as portable gas detectors and wireless gas detectors. This low power sensor makes it possible to manufacture a methane gas detector that uses a single lithium battery^{*2} and will have an expected life over 5 years.

The device is housed in a standard TO-5 package.

*1: According to Figaro's own investigation

*2: In case of Li battery with 2.8V, 2400mAh

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