



TGS1820

Product code: TGS1820

Manufacturer: Figaro Engineering Inc.

TGS1820 is a hot wire semiconductor type gas sensor. The sensing element consists of a noble metal coil embedded in a small bead of sintered metal oxide semiconductor material. Electrical conductivity change caused by gas adsorption on the MOS material surface can be measured between both ends of the noble metal coil as a change in the combined resistance of the MOS material and the noble metal coil.

TGS1820 has high sensitivity to acetone with small interference from ethanol and hydrogen. This feature makes the sensor ideal for breath acetone analysis

The typical range is 1-20ppm acetone

Heater consumption	125 mW
Measurement range	1-20 ppm
Target Gas	Acetone