

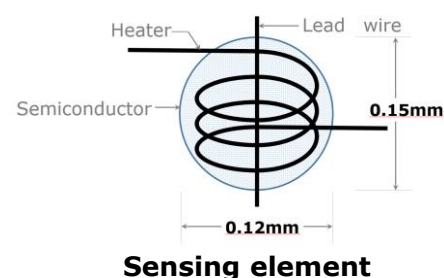
FIS GAS SENSOR SMB-95-10 LOW POWER SENSOR SMB-15-10

SMB series is a mcMEMS® semiconductor gas sensor using the micro coiling technology. This sensor has excellent features to detect flammable gases for battery operated gas detector, portable gas monitor, IoT/Wi-Fi devices and others.



Features

- **Small power consumption(below 1mW)**
- **Heater can be pulse driven**
- **Sensor housing without heat dissipation**
- **Long life**



Specification

Item	SMB-95-10	SMB-15-10
Measurement method	Semiconductor type	
Detection gas	methane	LPG
Detection cycle	every 20 second detection	
Power consumption	0.42mW	0.56mW
Heater voltage	0.65vDC×0.1sec. +0v×19.9sec.	0.65vDC×0.07sec. +0.45vDC×0.1sec. +0vDC×19.83sec.
Circuit voltage	3.3v, pulse within 0.1msec.	
Operating temperature range	-10 to 50C, no condensation	
Storage temperature range	-20 to 60C, no condensation	
Dimensions	9.6φ x15.0 mm	9.6φ x18.5 mm
Weight	About 0.02g	

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SPECIFICATIONS