

FIS3000 series

Gas Sensor Module

FIS 3000 series gas sensor modules include FIS SB type gas sensor and the application circuit. The embedded circuit contains sensor driving and output signal processing functions.



With case



Without case

Features

- **High performance and reliability**

The module includes FIS developed SB type semiconductor gas sensor. This sensor has a rapid response and excellent durability.

- **No calibration required**

Since the module is factory calibrated, users do not need an expensive and complicated calibration equipment and procedure.

- **Easy installation to your product**

The module is small and light with easy output wiring.

- **Extensive lineup for target gas**

Not only for combustible gases such as methane, hydrogen, LPG, but also for carbon monoxide, freons, organic solvents, etc.

- **Usable under severe environment**

Since the module with case is waterproof, it can be used under severe environment such as extreme outside condition and in a refrigerated room.

- **Variety of output specifications**

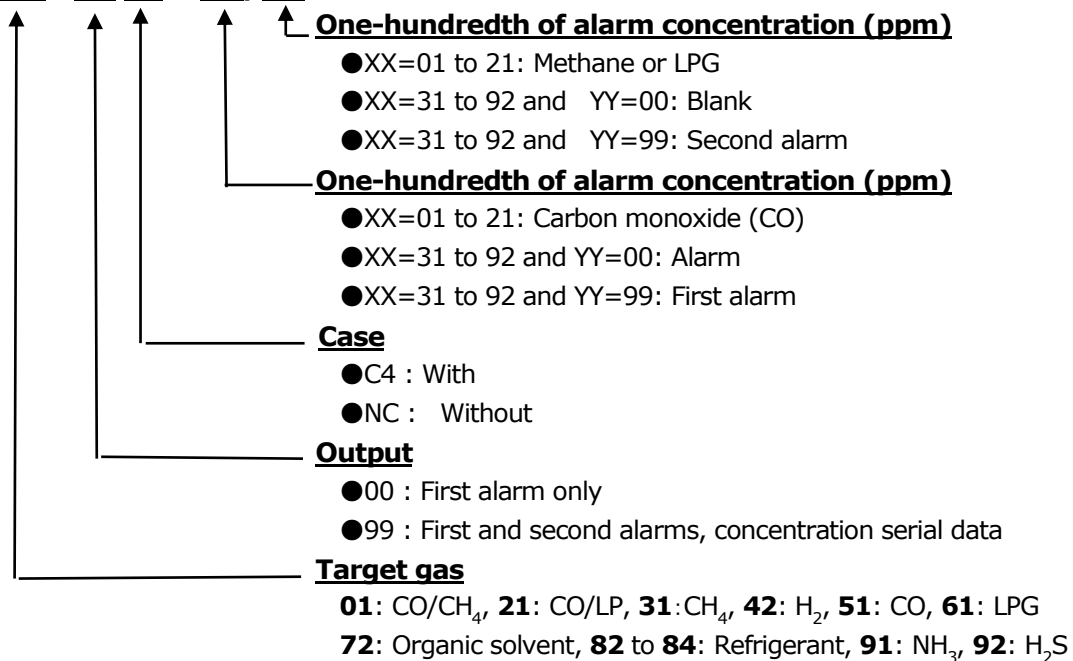
- Alarm output: One or two outputs
- Gas concentration output: Output through serial signals
- Malfunction output: Sensor defect, circuit defect, and defect caused by poisoning of noise gases and siloxane

Specifications

Item	Contents	
	Without case	With case
Model	See "Model number system" below	
Sensor	SB type semiconductor gas sensor	
Target gases	See "Model number system" below	
Response	Several seconds to one minute depending on the model	
Supply voltage	5.0V DC +/- 5%	
Alarm output	CMOS and LED	Open collector and LED
Malfunction output	CMOS and LED	Open collector and LED
Concentration output	Serial signal as option (UART)	
Current consumption	35mA (average), depending on model	
Operating temperature	-10 to 50C without dew condensation	
Storage temperature	-40 to 60C without dew condensation	
Dimensions	28 x 41 x 20(H)mm	31 x 44 x 20(H)mm
Weight	5g	16g

Model number system

FIS 30 XX - YY ZZ - AA/BB



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October, 2017

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