

Freon Gas Sensor Module

FIS5084 series

for Refrigerant GAS DETECTION

FIS5084 series includes our refrigerant gas sensor and the application circuit. The embedded circuit contains sensor driving and output signal processing functions.

Since this module is factory calibrated, users do not need expensive and complicated calibration equipment and procedure. The finished product can be designed easily. Modules with a case are also available.

Features

- High reliability
- Long life
- Factory calibrated for R32
- Silicon poisoning proof



Without case



With case

Specification

Item	Contents	
	Without case	With case
Model	FIS5084-01NC	FIS5084-01C1
Sensor	SB type semiconductor gas sensor	
Target gases	R-32,R-407C,R-410a, R-290,R-600 etc.	
Supply voltage	5.0V DC \pm /-5%	
Gas sensor operation	DC operation	
Output signal	URAT, Open collector	
Warm up time	About 7 seconds	
Concentration output	Serial signal as option	
Current consumption	40mA(Max.80mA)	
Operating temperature	-10 to 50C without dew condensation	
Storage temperature	-40 to 60C without dew condensation	
Dimensions	26x26x 20(H)mm	53x30x23.5(H)mm
Weight	5g	11g

This module is designed to comply to RoHS2, JRA 4068:2016R, and IEC60335-2-40 Ed6.0.

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SPECIFICATIONS

FIS5084 series