Brief Introduction

The H2S sensor with the model of FC-H2S-2 from ProSense works on the proven fuel cell technology and responds directly to the volume concentration of H2S. FC-H2S-2 realizes the detection of H2S by the reaction occurred on the working electrode of the micro fuel cell, during which the current generated is proportional to the concentration of H2S. FC-H2S-2 has the typical advantages of high stability, high accuracy, good selectivity and long service life.



Feature

*0 power consumption

*High precision

*Good selectivity

*High performance/cost ratio

*Wide linear range

*Fast response

*Excellent repeatability and stability

Application

Smart Toilets

Portable devices

Wearable devices

Aquatic farm

Green building

Smart home

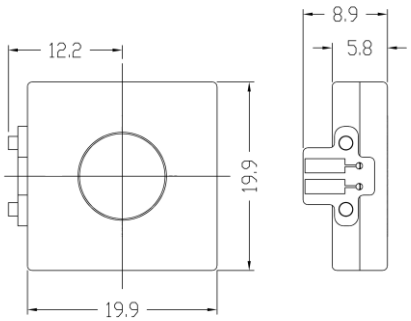
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Technical Specification

Item	Technical Specification
Principle	Micro Fuel Cell
Range	0-2ppm
Max Overload	5ppm
Sensitivity	100±50(nA/ppm)
Response Time(T90)	＜15Sec
Resolution（20℃）	0.001ppm
Repeatability	3%
Linearity	linear
Temperature	-40℃～70℃
Pressure	1atm±10％
Humidity	10％－90％
Lifetime	5years in air
Warranty Period	12 months
Weight	3g

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Dimensions



Notes：1 All dimensions in mm
2 All tolerances ±0.15mm unless otherwise stated

Precautions

1 .The sensor should be prevented from organic solvents or corrosive gases,especially alkaline gases.
2 .The sensor should not be stored in dusty, dirty areas and anaerobic environment
3. The sensor must not be exposed to very high concentration of the analyte permanently
4 .Excessive shock or vibration should be prevented to avoid internal damage
4. Disassemble of the sensor will result in warranty free.

PROSENSE

普 晟 PRO SENSE **ProSense Technologies Co., Ltd.**

Add: Building4, Lianjian S&T Park, LonghuaDistrict, Shenzhen, China;
Tel: +86 755 3669 0079 Web: www.szprosense.com
Email: sales@szprosense.com