Brief Introduction

FC-NH3-100 Ammonia sensor from works on the proven fuel cell technology and responds directly to the volume concentration of NH3. FC-NH3-100 realizes the detection of NH3 by the reaction occurred on the working electrode of the micro fuel cell, during which the current generated is proportional to the concentration of NH3. FC-NH3-100 is perfect for application powered by battery because fuel cell realizes gas detection without power consumption.

Feature

*0 power consumption

*High precision

*High sensitivity

*Long service life

*Wide linear range

*Fast response

*Excellent repeatability and stability

Application

Smart Toilets

Portable devices

Wearable devices

Aquatic farm

Green building

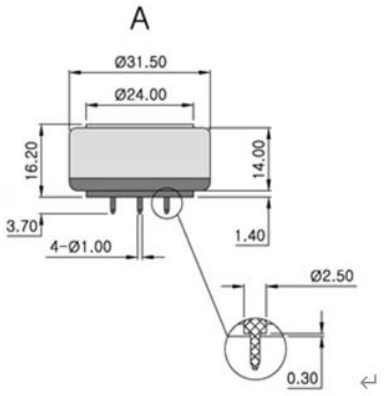
Smart home

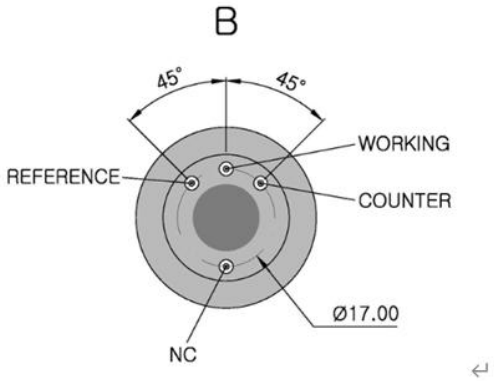
…..

Technical Specification

Item	Technical Specification
Principle	Micro Fuel Cell
Range	0-100ppm
Max Overload	500ppm
Sensitivity	6±2(nA/ppm)
Response Time(T90)	＜120Sec
Detection limit （20℃）	0.3ppm
Repeatability	3%
Linearity	linear
Temperature	-40℃～70℃
Pressure	1atm±10％
Humidity	15％－90％
Lifetime	3 years
Warranty Period	12 months
Weight	10g

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
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

普 晟 PROSENSE **ProSense Technologies Co., Ltd.**

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