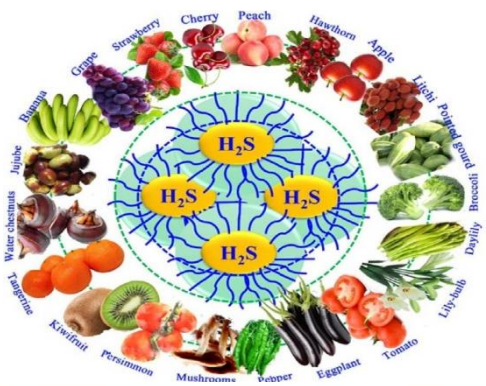
H2S-2-SF
HYDROGEN SULPHIDE SENSOR



FEATURES

- Mini size ideal for portable, fixed, low power and battery applications
- Long lifetime technology of 5 years with no risk of leakage
- Selective detection, high precision
- ppb resolution, low noise
- Zero power consumption
- High sensitivity, fast response
- Wide temperature range

TYPICAL APPLICATIONS

- Industrial Detection & Safety Monitoring
- Portable & wearable devices
- Smart homes & offices
- Smart toilets & public restroom monitoring
- Wastewater treatment & management
- Bioprocessing
- Environmental Monitoring
- Medical & health monitoring
- Food spoilage & storage

EURO-GAS MANAGEMENT SERVICES LTD, CHURSTON HOUSE,
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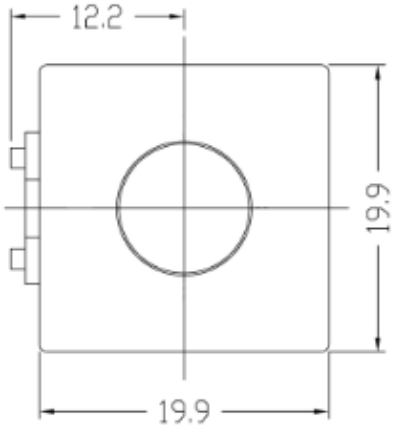
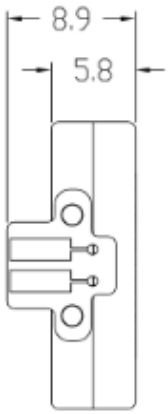
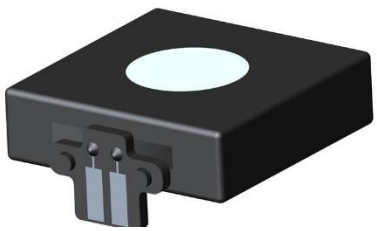
DIMENSIONS





All dimensions are in millimetres mm.
All tolerances are +/- 0.15mm.



SPECIFICATION

Measuring Principle:	Mini fuel cell, 2-electrode sensor
Detectable Gases:	Hydrogen Sulphide H2S
Standard Range:	0 – 2ppm H2S
Maximum Over-Range:	5ppm
Optional Ranges on request:	0-100ppm H2S
Sensitivity:	100 ± 50 nA/ppm
Response Time (T_{90}):	< 15 seconds
Resolution:	0.001 ppm
Repeatability:	3 % typically
Linearity:	Linear
Expected Operating Life:	5 years in air
Operating Temperature Range:	-40°C to +70°C
Humidity Range (non-condensing):	10 – 90% RH
Pressure Range:	1 atm +/- 10%
Weight:	3 g
Warranty Period:	12 months from date of manufacture
Part Number:	2112B601002
Optional Accessories:	H2S-2-SF TX, precalibrated digital transmitter, part no: 2112B6010022

All performance specifications are based upon the following environment conditions: +20°C, 50% relative humidity and 1 atm (1013 mBar or ambient pressure).

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Notes: Sensors are designed to operate in a wide range of harsh environments and conditions. However, it is important to avoid exposure to high concentrations of solvent during storage, fitting into instrumentation and operation. When using sensors on PCBs, degreasing agents should be used prior to the sensor being fitted.

By the nature of the technology used, any sensor can potentially fail to meet specification without warning. Euro-Gas makes every effort to ensure reliability of all sensors but where life safety is a performance requirement of the product and, where practical, Euro-Gas recommends that all gas sensors and instruments using sensors are checked for response to gas before use. The data contained in this document is believed to be accurate and reliable. The data given is for guidance only. Euro-Gas Management Services Ltd accepts no liability for any consequential losses, injury or damage resulting from the use of this datasheet or the information contained in it. Customers should test the sensors under their own conditions to ensure that the sensors are suitable for their own requirements and in accordance with the plans and circumstances of the specific project and any standards/regulations pertaining to the country in which the sensors will be utilised. Performance characteristics on this data sheet outline the performance of newly supplied sensors. Output signal can drift below the lower limit over time. This datasheet is not intended to form the basis of a contract and in the interest of product improvement, Euro-Gas reserves the right to alter design features and specifications without notice. 2509

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