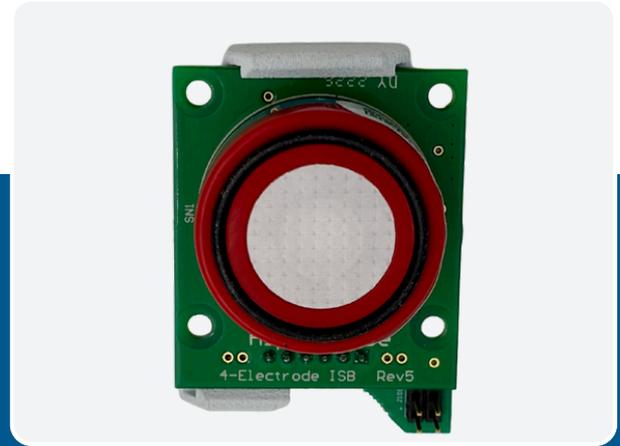


Sensorbee Sulfur Dioxide (SO₂) Gas Sensor

The SB4252 Sulfur Dioxide Sensor is an electrochemical gas sensor module designed for environmental air quality monitoring applications. This sensor provides sensitive ppb-level detection of sulfur dioxide (SO₂) from 0 to 10,000 ppb, making it suitable for ambient air quality assessment, emission monitoring, and environmental compliance applications.



SB4252 - Sulphur Dioxide Sensor (SO₂)



Measurement Range:

0 - 10,000 ppb



Resolution:

1 ppb



Limit of detection:

3 ppb (Spec:CEN/TS 17660-1:2022)



Repeatability:

5 ppb (Spec:CEN/TS 17660-1:2022)



Response Time:

< 80 sec



Guarantee range:

20 ppm



Typical Accuracy:

±15 ppb



Sensor type:

Electrochemical



Dimensions & Weight:

55 x 40 x 30 mm, 25 gram



Enclosure:

Polyamide



Operating Temperature:

-30 to +40 °C



Operating Pressure:

800 to 1200 hPa



Operating Humidity:

15 to 85 %RH



Module Operational Life:

> 1 Year