

Sensorbee Nitric Oxide (NO) Gas Sensor

The SB4242 Nitric Oxide Sensor is an electrochemical gas sensor module designed for environmental air quality monitoring applications. This sensor provides sensitive ppb-level detection of nitric oxide (NO) from 0 to 5,000 ppb, making it suitable for ambient air quality assessment, traffic emission monitoring, and environmental compliance applications.



SB4242 - Nitric Oxide Sensor (NO)

**Measurement Range:**

0 - 5,000 ppb

**Resolution:**

1 ppb

**Limit of detection:**

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

**Repeatability:**

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

**Response Time:**

< 45 sec

**Guarantee range:**

20 ppm

**Typical Accuracy:**

±7 ppb

**Sensor type:**

Electrochemical

**Dimensions & Weight:**

55 x 40 x 30 mm, 25 gram

**Enclosure:**

Polyamide

**Operating Temperature:**

-30 to +50 °C

**Operating Pressure:**

800 to 1200 hPa

**Operating Humidity:**

15 to 85 %RH

**Module Operational Life:**

> 1 Year