

BASIOX CO2 SENSOR

Carbon Dioxide Sensor- Standalone
with Audible Alarm Buzzer

Model Series: BC-CO2-XXX



INTRODUCTION

Carbon dioxide (CO₂) is a colorless, odorless gas naturally present in the atmosphere. The Basiox CO₂ sensor enables effective monitoring of indoor air quality and supports safer environments.

Audible Alarm / Buzzer: Built-in buzzer with configurable CO₂ alarm threshold.

ENVIRONMENTAL SUSTAINABILITY

The Basiox CO₂ sensor supports environmental sustainability by enabling better indoor air quality monitoring and promoting healthier indoor environments.

TECHNICAL FEATURES

- Automated Alerts and Safety Notifications through inbuilt audible buzzer alarm.
- Historical data and cloud-based communication references removed for standalone version.
- Precision Calibration for reliable long-term performance.
- Seamless integration with air quality control applications.

APPLICATIONS

Environmental Monitoring for Individuals, Government Agencies, Facility Managers and Healthcare Providers.

TECHNICAL SPECIFICATIONS

P A R A M E T E R	S P E C I F I C A T I O N
Working Principle	Photo-acoustic NDIR sensor technology
Measurement Range	0–5000 ppm
Minimum Detection Range	400 ppm
Resolution	10 ppm
Calibration & Validation	Span calibration and mid-point validation
Dimensions	85(W)×85(D)×25(H) mm
Device Supply Voltage	110–240V AC/DC, preferably 12V DC – 1 Amp
Power Consumption	5 Watt/hour – 3.6 KW/month
Operating Ambient Temperature	-20°C to +60°C
Operating Humidity	0–95% RH
Body Material	ABS Plastic
Mounting Method	Wall
Alarm Feature	Integrated audible buzzer alarm with configurable CO ₂ threshold
Data Storage	Inbuilt memory backup, up to 24h

REGULATORY COMPLIANCE



Dispose of the sensor in accordance with local electronic waste disposal regulations

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