

CaDi CI-100

Smart Carbon Dioxide (CO₂) Monitor

Overview

NuWave's CaDi CI-100 is a non-dispersive infrared (NDIR) based Carbon Dioxide (CO₂) Monitor designed for detection of CO₂ concentration levels in domestic dwellings, offices and other indoor environments for the purposes of effectively managing ventilation for occupants comfort and health. The sensor features a CO₂ sensor that is stable and maintenance free with a measurement range from 0 - 5000ppm.

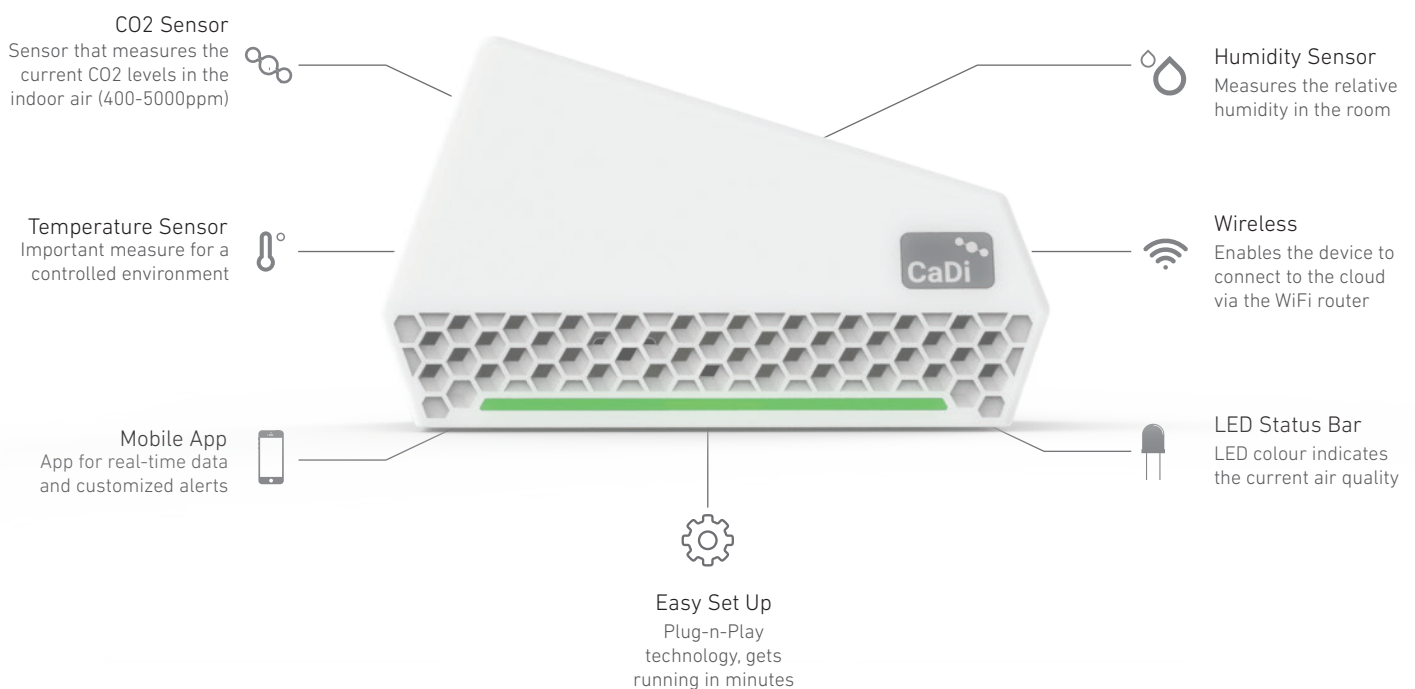


The CaDi CI-100 CO₂ monitor integrates with NuWave Sensor's air quality monitoring system which enables remote monitoring via a smartphone app.

Typical Applications

- Domestic CO₂ monitoring
- Office IAQ monitoring

CaDi CI-100 Features

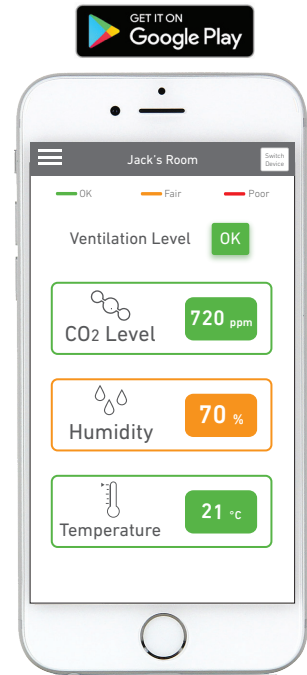


CaDi CO2 Monitoring App

You can track data from your connected CaDi CI-100 monitor using the CaDi App by NuWave Sensors that is available on Google Play Store and coming soon to Apple's App Store.

Features include:

- Remote monitoring
- Quick and easy setup
- Export sensor data for detailed offline analysis
- View detailed graphs to analyse CO2 levels by day, week and month
- Manage multiple sensors via the app
- Full API available for developers




CI-100 Specifications:

Performance (CO2 Sensor)

Target Gas	Carbon dioxide (CO2)
Measurement Range	400 to 5000 ppm / 0.04 to 2% Volume CO2
Accuracy	+/-40ppm +/-3% of reading*
Maintenance	Maintenance free
Warm up time	1 minute

* Accuracy is defined after a minimum of 3 weeks of continuous operation

Temperature, Humidity & Enclosure

Temperature Sensor	Measuring range °C	-40 to 125 °C
Temperature Sensor	Operating range °C	0 to 50°C
Humidity Sensor	Measuring range %	0 to 100%
Humidity Sensor	Operating range %	5 to 95%
Enclosure	IP rating at proper indoor installation	IP40
Weight	Enclosure weight	186g
Certification & Compliance		

Inputs and Outputs

Input	100-240V International Adapter	USB 5V, 1A (supplied)
Power Consumption	90mA @ 5V	-
Wireless Outputs	WiFi 802.11/g/n @2.4GHz	-