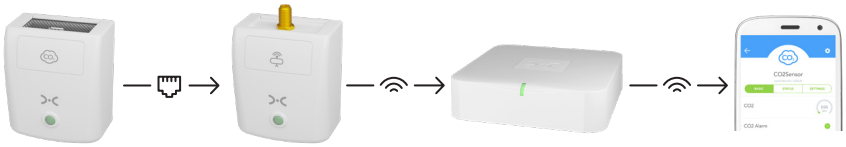
DiscoverBus™ Wired CO2 Sensor

A gas sensor that measures the concentration of carbon dioxide in the air.

SMART OFFICE | SMART BUILDING | DATA CENTRE | CLEAN ROOM | LEARNING CENTRE | RETAIL SPACE | FACTORY PLANT

Carbon Dioxide is a key indicator for indoor air quality. Thanks to new energy standards and better insulation, buildings have become increasingly energy-efficient, but the air quality can deteriorate rapidly. Active ventilation is needed to maintain a comfortable and healthy indoor environment and improve the well-being, concentration and general productivity of the occupants. Therefore this sensor is suited for offices, retail centres, or any general workplace. Additionally this sensor is suited for data centres, or cleanrooms where positive pressure sealed rooms are employed. Monitoring the CO2 levels in these environments can be used to trigger clean air recycling.



XPED SENSORS | XPED HUB | XPED GATEWAY | XPED APP

KEY FEATURES:

- > Commercial grade sensor
- > On site operation even without the Internet
- > Remote operation with the Internet
- > Fast install with DiscoverBus™ automatic onboarding to the Hub
- > Nickname support
- > Tap using NFC phone to instantly jump to the control screen
- > Automatic disconnect detect
- > LED flash locate function
- > Wired order determination
- > High and low alerts
- > Configurable sensing sample rate
- > Configurable heartbeat for periodic data
- > Threshold settings to transmit immediate changes
- > Bus voltage status checks and alerts
- > Wide reading range
- > Micro USB power booster input

SPECIFICATIONS:

Supply	DiscoverBus-S (5.0 V)
Onboarding	Automatic on plug in
Data Transport	DiscoverBus-S
Operating Range	(-10 to 70) °C
CO2 Range	(400 to 10000) ppm
CO2 Accuracy	±30 ppm + 3 %
Sensor Response Time	30 s
Consumption - Sleep	5 mA typical @ 25 °C
Consumption - Run	30 mA typical @ 25 °C
Dimensions	(61 x 48 x 32) mm (including standard bracket)
Region	Australia, Singapore, Malaysia, USA
Model Number	DB-CO2-101SSN

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For more information, visit xped.com

Features and products are continuously being improved, as such specifications are subject to change without notice. Subject to stock holdings, product supply may incur standard manufacturing lead times to be quoted at time of enquiry. Products that utilise radio interfaces such as SubGHz, will be region specific and subject to availability on enquiry.