

# Battery Powered CO2 Monitor

with traffic light LED indication



Perfect for classroom monitoring

The TPCO2-IND/L Battery Powered CO2 Monitor from Titan Products is designed to wirelessly monitor the CO2 levels in a space and show these levels via a traffic light LED indicator.

When CO2 levels are below 800ppm the green LED will flash every 10 seconds. When levels rise above 800ppm the yellow or red LEDs will flash every second dependant on the CO2 levels in the space to draw attention to the occupant that the levels are rising.

The unit has an on-board selector switch to choose between two LED thresholds, see below.

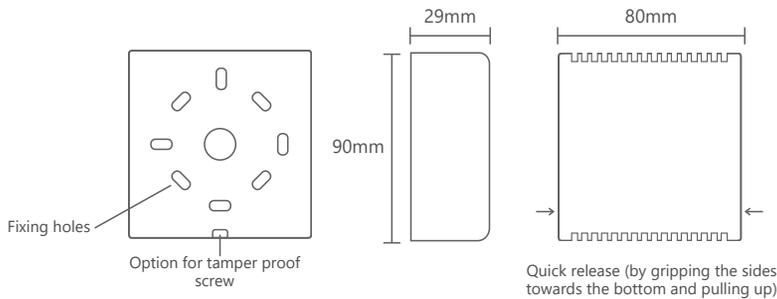
Using a 3.6V, 2600mAh lithium thionyl chloride battery, the need for wiring the unit is eradicated making it extremely easy and cost effective to install.

The TPCO2-IND/L is rated at IP20 and is designed for indication purposes only.

## Specification

Power Supply:	3.6V, 2600mAh lithium thionyl chloride battery (AA size)
Sensing Method:	Non-dispersive infra red (NDIR)
Battery Life:	Up to 3 years
Measurement Accuracy:	+/- 50ppm + 2% of reading (CO2)
Operating Range:	0 - 50°C 0 - 2000ppm 0 - 95% non-condensing
LED indication levels:	Default (switch in left position): Green <800ppm Yellow 800 - 1000ppm Red >1000ppm Option 2 (switch in right position): Green <800ppm Yellow 800 - 1500ppm Red >1500ppm
Material:	IP20 flame retardant polycarbonate
Dimensions:	80mm x 90mm x 29mm
Approvals:	CE / UKCA
Country of Origin:	UK
Product Codes:	TPCO2-IND/L

## Dimensions



## Features

- Wireless CO2 indication
- Clear traffic light display
- Battery powered
- Extremely quick to install
- Up to 3 years battery life

## Operation

Automatic calibration requires the background CO2 levels to drop to 400ppm at least once during the first 24 hours of power up and at least once every 7 days thereafter. This will become the base rate the CO2 sensor will calibrate to preventing long term drift.

## Installation and Maintenance

Solvents in the air derived from sources such as paints, cleaning products and adhesives can have a detrimental impact on the sensor cell. All sensors should therefore be installed after the space has been decorated and any flooring fitted. The sensors should also be kept away from adhesives and should the housing require cleaning a dry non-solvent based product must be used. Do not spray any liquid or cleaning products directly onto the ventilated housing. Exposing the sensor to such solvents or moisture will invalidate the product warranty.

## CO2 LED Thresholds

