

## CO2 SENSOR

PMTX010008

V.2.2 (May 2018)

Simple wireless installation

Self calibrates every 24 hours

Maps activity on building models



Small, discreet sensors

Mains powered for maximum lifetime

Supports Purrmatrix analytics

**Purrmatrix CO<sub>2</sub> sensors (known as kittens) collect high quality data on CO<sub>2</sub> for monitoring interiors.** They have high accuracy and resolution and report CO<sub>2</sub> levels to the web application in near real time, well suited to monitoring air quality for diagnosing problems and auditing compliance. Small and easy to retrofit, they can be located at or near any socket (using a USB - USB extension) and will start to monitor air quality straight away.

### FEATURES

- Resolution down to 10ppm, accuracy of 50ppm +/-3%
- 85 x 50 x 20 mm (without plug prongs)
- Fast update (every 30 secs)
- Fast response to changing CO<sub>2</sub> levels
- Operating range 0°- 50° C

### CALIBRATION & ACCURACY

All CO<sub>2</sub> kittens run an automatic self calibration cycle every 24 hours, to a datum point of 400 ppm.

Kittens sense up to 5000ppm CO<sub>2</sub> with accuracy +/- (50ppm+3%) in a working environment of 0-50°C and 0 - 90% RH.

Measurement value responds to changes in ambient CO<sub>2</sub> by 90% in 120 seconds.

### WIRELESS PERFORMANCE

Kittens report data wirelessly to a gateway unit over a range of 40m (max 60m). A gateway unit can collect data from up to 200 kittens.

