



0-10V CO₂, TEMP & HUMIDITY DUCT SENSOR

TP-DS-CO2RHT FEATURES

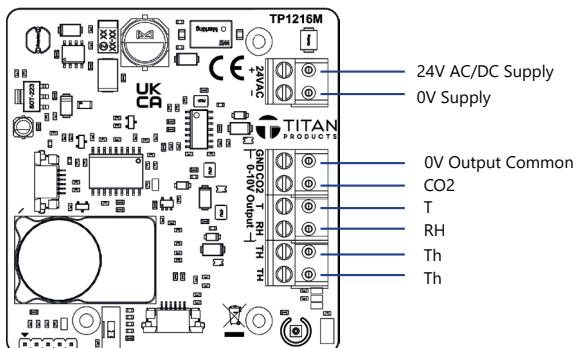
- Accurate measurement of temperature, humidity & CO₂
- Robust housing designed to be mounted in ductwork
- Quick and simple installation

SPECIFICATION

| | |
|---------------------------|---|
| Material: | Flame Retardant Polycarbonate |
| Supply: | 24VAC/DC +/-10% |
| Power Consumption: | 45mA |
| Outputs: | 0-10V (0-2000ppm) 0-10V (0-100%RH) 0-10V (0-50°C) 10K3A1 Resistive |
| Accuracy: | CO ₂ : 50ppm +/- 2% of reading Humidity: +/- 2%RH Temperature: +/- 0.2°C |
| CO ₂ Sensing: | NDIR |
| IP Protection: | IP65 |
| Environmental Conditions: | -10 to +60°C 0-95% RH Non-Condensing |
| Connections: | Pluggable screw terminals for 0.3 to 1.5mm cable |
| Recommended Cable: | Screened, twin twisted pair 0.75mm to 1mm. Screen earthed at controller end only. |
| Country of Origin: | UK |
| Product Codes: | TP-DS-CO2RHT-V-10K3 |



CONNECTIONS

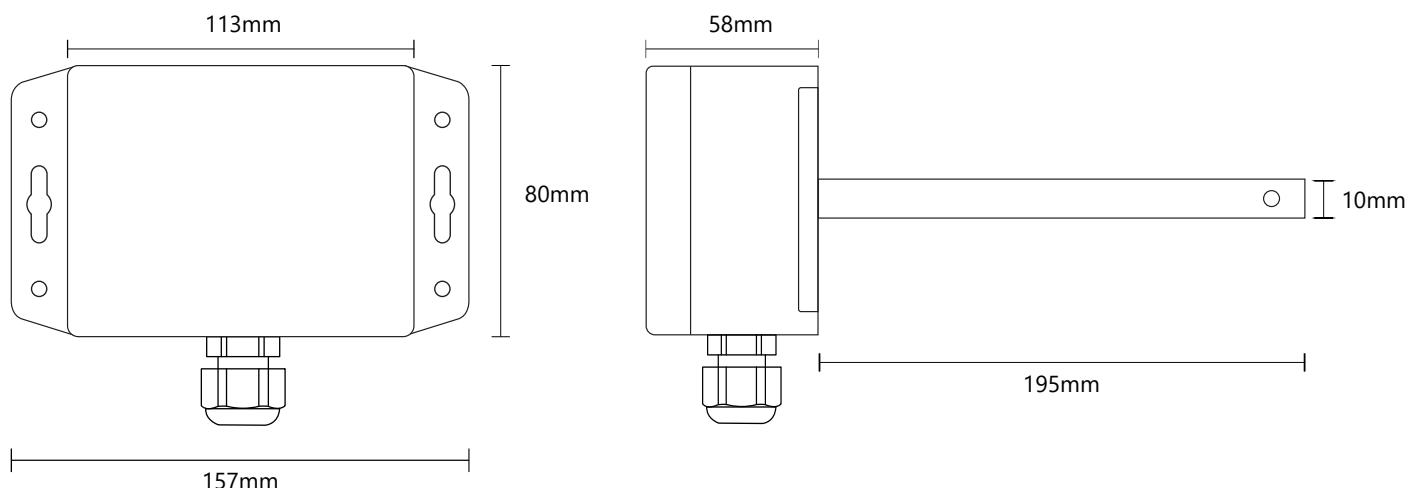


CO2

Automatic Background Calibration (ABC):

Titan CO2 sensors are supplied pre-calibrated and will auto calibrate every 7 days thereafter using automatic background calibration. To maintain calibration and long-term accuracy stability, the sensor should be exposed to low, unoccupied CO2 levels (typically 400ppm) at least once every 7 days.

DIMENSIONS



INSTALLATION AND MAINTENANCE

- The sensor must be installed by a competent and suitably qualified person and maintained within its stated operating environment
- Sensor cables should be segregated from any mains carrying conductors and electrical noise emitting equipment such as fluorescent lighting.

- Ensure correct screw sizes are used.
- Do not spray any liquid or cleaning products directly onto the ventilated housing.
- Do not** blow directly on to the CO2 cell within the sensor, this can damage the cell membrane and could cause incorrect readings.

For further install and setup information please contact technical@titanproducts.com