

# tSense Touch Screen CO2 + RH/T Transmitter



The tSense CO2 + RH/T wall-mounted transmitter measures carbon dioxide concentration, temperature and relative humidity indoors. The tSense is available with or without a color touch display (LCD).

With a display, the tSense can show you the CO2, temperature or %RH levels in real-time. With a few touches of a finger you can program the tSense display model to change color when the CO2, temperature or %RH levels get too high, or you can view graphs of CO2, temperature or %RH for the previous day or week. All settings can be controlled with a secret pin number you enter during setup.

With or without a display, both tSense models feature several industry-standard output options including 0-10VDC for each of the 3 parameters, NO and NC relays, Modbus and BACnet. All options can be configured with free software.

## Features

- 3 Sensors in 1 Housing
- Industry-Standard Outputs
- Maintenance-free in Normal Applications

## Specifications

- Operating Principle Non-dispersive infrared (NDIR) CO2 Sensor
- OUT1 CO2 0 - 10VDC, 0 - 2000ppm
- OUT2 Temperature 0 - 10VDC, 0 - 50°C
- OUT3 Relative Humidity 0 - 10VDC, 0 - 100%RH
- Accuracy (CO2)  $\pm 30\text{ppm} \pm 3\%$  of reading
- Dimensions 125mm x 85mm x 22mm
- Dimensions display 49mm x 37mm
- Life expectancy >15 years
- Operation temperature 0 - 50°C
- Power supply 12VDC, 24VAC/DC
- Communication Modbus (MB) or BACnet (BAC) protocol over RS485

## Applications

tSense combines all the necessary elements for effective climate control in commercial office buildings, hospitals, hotels, schools and other facilities. Using CO<sub>2</sub>-monitoring for demand control ventilation (DCV) allows healthy, comfortable and cost-effective environment for the occupants.

## Electrical Requirements

- 12VDC or 24 VAC/VDC

## Warranty

- 5 Years