

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) ±30ppm ±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 CO₂-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