

Tongdy Carbon Dioxide Monitoring Solutions

CO2 Transmitters

CO2 Monitors/Controllers

CO2 Product Customization Service

CO2 TRANSMITTERS

Tongdy CO2 transmitters are designed for real-time measuring air carbon dioxide, optional temperature and relative humidity.

Tongdy CO2 transmitters include wall mount type, duct mount type, and CO2 sensor probe split or external.

They are applied for HVAC systems, BMS systems and other ventilation systems, to meet the energy savings and health requirements.

Carbon dioxide is the traditional and most appropriate measurement parameter for assessing and controlling indoor air quality.



Wall mounted CO2 transmitters

- 💧 Three CO2 transmitter series
- 💧 Single CO2 transmitter or 3 in 1 CO2+Temp+RH Transmitter
- 💧 0~10V/4~20mA output and RS485 (Modbus RTU or BACnet MS/TP)
- 💧 No display or LCD display
- 💧 Six LED lights indicating six CO2 ranges



TSM-CO2 Series



TS21 Series



G01-CO2 B10C Series



CO2 transmitters with external sensor probe

- ◆ TG9-CO2 and TGP-CO2 series
- ◆ The external CO2 sensor probe including in-duct probe or split sensor or lower probe
- ◆ Designed for real-time detecting air carbon dioxide, temperature or relative humidity
- ◆ Featured with optional screen display and VOC detection



TG9-CO2 Series



TGP-CO2 Series

CO2 MONITORS/CONTROLLERS

CO2 monitors/controllers can be used to detect indoor air quality with 3-color screen display and an available buzzer alarm.

They can control ventilators directly according to the end user's preset.

Applied for all public places such as schools, hospitals, airports and offices to ensure proper ventilation, and save the energy in HVAC systems.

Wall mounted and Desktop model

- 💧 G01-CO2-B3 series
- 💧 3-Color backlight display shows three CO2 ranges, buzzer alarm available.
- 💧 ON/OFF relay output to control a fan.
- 💧 RS485 interface optional.
- 💧 Perfect for indoor environment application.









Strong control functions





- 💧 TSP-CO2 and GX series with strong control functions
- 💧 Detect CO2 and Temperature and RH or TVOC
- 💧 Up to 3 analog output with linear or PID control for different local application systems
- 💧 Up to three on/off relay outputs
- 💧 RS485 Optional
- 💧 Applied to ventilation systems, VAV terminal control, and other control systems



Plug & Play CO2 controller

- 💧 Extremely easy to connect the power and control a fan or CO2 generator in greenhouses or mushrooms.

Product Name	Picture	Power supply	Output	Application	Features
TSM-CO2 CO2 sensor/transmitter		24VAC/VDC	-Modbus RS485 -An analog output (0-10VDC or 4-20mA)	-HVAC systems -BAS systems -Ventilation systems	-NDIR CO2 sensor with self-calibration and 15 years lifetime - Optional 6 LED lights indicate six CO2 ranges -Simple and low cost
G01-CO2-B10C/30C CO2 or 3 in 1 CO2+Temp.+RH or CO2+TVOC		24VAC/VDC	-Up to 3 linear analog outputs (0-10VDC or 4-20mA) -RS485(Modbus or BACnet)	-HVAC systems -BAS systems -Ventilation systems -IAQ detection	-3 in 1 CO2 sensing. - Temperature + RH or CO2 plus TVOC detection. -NDIR CO2 sensor with self calibration and 15 years lifetime.
TSP-21 CO2 or CO2+Temp./RH		24VAC/VDC	-One or two analog outputs (0-10VDC or 4-20mA) -RS485 (Modbus RTU)	-HVAC systems -BAS systems -Ventilation systems	-NDIR CO2 sensor with self-calibration and 15 years lifetime - LCD display -Simple and low cost
TG9-CO2 In duct CO2 sensor or CO2+Temp.+RH or CO2+TVOC		24VAC/VDC	-Modbus RS485 -Up to 3 analog outputs (0~10VDC or 4~20mA) - Optional LCD	-HVAC systems -BAS systems -Ventilation control systems	-In duct air CO2 detection -NDIR CO2 sensor with self calibration and 15 years lifetime. - Optional Temp. & RH or TVOC measurement.
TGP-CO2 External sensor probe of CO2 or CO2+ Temp. & RH		24VAC/VDC	-Modbus RS485 --Up to 3 analog outputs (0~10VDC or 4~20mA)	-HVAC system -Ventilation control system -Subway or train stations -Public places	-NDIR CO2 sensor with self calibration and more than 10 years lifetime. -Ensure temperature detection is not affected by internal heating -Split sensor probe available
G01-CO2-B3 Monitor/controller		100~240V or 24VAC/VDC or USB 5V	-3 color backlit display for three CO2 ranges -a buzzer alarm available -Optional one 5A relay output -Optional RS485	-Schools, offices, hospitals, stores -Any public places -All ventilation systems	-Real time monitoring room CO2, temp.&RH. -NDIR CO2 sensor with self calibration and 15 years lifetime. -Buzzer alarm turning on/off -Wall mounting or desktop placement

Product Name	Pictures	Power supply	Output	Application	Features
GX-CO2 Monitor/Controller		24VAC/VDC Or 100-230VAC	-Modbus RS485 -Up to three relay outputs -Up to three analog outputs with linear output or PID control output	-Ventilation systems -VAV room control by both CO2 and Temp. -IAQ detection	-Designed for CO2/Temp. or CO2/TVOC detection. -NDIR CO2 sensor with self calibration and up to 15 years lifetime. -Strong on-site setting for different applications
TSP-CO2 Controller		24VAC/VDC	-Two analog outputs (0-10VDC or 4-20mA) -PID control output selected for CO2 -One relay on/off output, max current 5A (230VAC/30VDC) -Modbus RS485	-Ventilation systems -VAV room control	-Designed for real time measuring CO2 and temperature and relative humidity -NDIR infrared CO2 sensor inside with special Self Calibration. Up to 10 years lifetime -OLED display optional -Buzzer alarm for the relay control models
TKG-CO2 Controller		24VAC/VDC Or 100-240VAC	-Modbus RS485 -One 8A Relay on/off output	-Ventilation control -CO2 laboratory -Greenhouse and other similar applications	-Design for control the CO2 temperature and relative humidity. -Plug & play type optional -Replaceable filter in the probe. -External split sensor optional.
TKG-CO2 Plug&play Controller		100-240VAC	-One 8A Relay on/off output	-Greenhouse, hydroponics, gardens, horticulture, and other similar applications	-Design for control the CO2 -Plug & play type -A light sensor inside for auto changeover of day/night work mode. -Replaceable filter in the probe. -A down probe or split sensor.

For more CO2 and IAQ products and customization service please contact by email info@tongdy.com or contact with our sales.



Contact



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