



Tongdy TGP-CO2-118L Wall Mounted with LCD display adown external CO2 sensor probe



Product ID: TGPCO2118L
Manufacture warranty period: 12 months

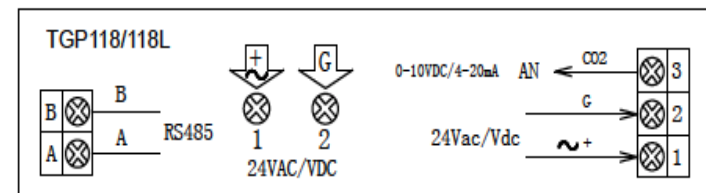
Features

- Real-time detect CO2 level of indoor environment
- NDIR infrared CO2 sensor with Self-Calibration and up to 15 years lifetime
- Wall mounting with the external sensor probe with the higher accuracy of measurements
- Providing one 4~20mA Analog outputs
- Modbus RS485 communication interface makes usage and test more convenient
- Smart structure with the simple installation and wiring
- CE-Approval

Typical Applications

- HVAC systems
- In BAS to detect the CO2 level and the data transmittance
- Ventilation control system

Wiring Diagram





Specifications

- CO2 Sensor: Non-Dispersive Infrared Detector (NDIR)
- Measurement Range: 0 ~ 2000ppm
- Accuracy: $\pm 60\text{ppm} + 3\%$ of reading @22°C (72°F)
- Stability: <2% of full scale over the life of the sensor
- Calibration: Self-calibration system
- Response Time: <5 minutes for 90% step change at low duct speed
- Non-linearity: <1% of full scale @22°C (72°F)
- Pressure Dependence: 0.135% of reading per mm Hg
- Temperature Dependence: 0.2% of full scale per °C
- Power supply: 24VAC/24VDC $\pm 5\%$
- Consumption: 1.8W max; 1.0 W avg.
- LCD display: White backlit LCD display CO2 measurement
- Analog output: 1 x Analog output, 0~10VDC (default) or 4~20mA (selectable by jumpers)
- Modbus RS485 Interface: 19200bps, 15KV antistatic protection.
- Operation conditions: 0°C~50°C (32~122°F); 0~99%RH, non-condensing
- Storage conditions: 0°C~60°C (32~140°F); 5~95%RH
- Net weight: 300g
- IP class: IP40
- Standard Approval: CE-Approval

Dimension and Mounting

Probe Length	69.00mm
Probe Diameter	Ø26.00mm
Installation Holes	100.00mm

