

## ST-502



## Desktop

## Features

- Non-Dispersive Infrared (NDIR) CO<sub>2</sub> sensor ensures long term stability and durability
- 4 Measurements-CO<sub>2</sub> / CO<sub>2</sub> Ventilation Rate / Temperature / Humidity
- Large display
- Easy-to-use PC software for parameter settings and analysis
- Fast USB download
- Internal backup battery to maintain date / time setting
- CO<sub>2</sub> / Temperature / Humidity: high,low alarm setting
- Set on the table or wall-mounted (use 1/4 tripod nut)
- Power adaptor AC 100V~240V to DC 12V / 1.0 A

## Applications

- Building HVAC monitoring
- Indoor air quality survey

## Specifications

- Datalogging capacity: 17,000 records
- Operation condition: 0-50°C (32-122°F), 5-95%RH (non-condensing)
- Storage temperature & humidity: -10~60°C (14~140°F) ≤70%RH

## Temperature

|                   |                       |
|-------------------|-----------------------|
| Type              | Thermistor            |
| Measurement Range | 0°C~50°C / 32°F~122°F |
| Accuracy          | ±1.0°C / ±1.8°F       |
| Resolution        | 0.1°C / 0.1°F         |
| Response Time     | Typ. 1 second         |

## Relative Humidity

|                   |  |
|-------------------|--|
| Type              | Capacitive                             |
| Measurement Range | 5-95%                                  |
| Accuracy          | ±3.0%RH (20~80%); ±5.0%RH (<20%, >80%) |
| Resolution        | 0.1%                                   |
| Response Time     | Typ. 4 seconds                         |

CO<sub>2</sub>

|                   |   |
|-------------------|---|
| Type              | Non-dispersive infra-red (NDIR)                                 |
| Measurement Range | 0 to 9999ppm  |
| Accuracy          | ±5% of reading or ±75ppm (0-2000ppm, others out of scale range) |
| Resolution        | ±1ppm   |
| Response Time     | Typ. 2 minutes by 90%   |