

ST-502



Desktop Indoor Air Quality (IAQ) Monitor

Feature :

- Non-Dispersive Infrared (NDIR) CO₂ sensor ensures long term stability and durability.
- 4 Measurements-CO₂ / CO₂ Ventilation Rate / Temperature / Humidity.
- Large, easy-to-read display. °F, °C, %RH, CO₂ (PPM).
- Measurement range : 0~9999 ppm. (2001~9999 ppm over range)
- CO₂ Temperature , Humidity Alarm ,High ,Low setting.
- MAX / MIN.
- Power Adaptor AC 100V~240V to DC 5~6V/0.5A.

Applications :

- Building HVAC Monitoring.
- Indoor air quality survey.

ST-501 Datalogger CO₂ / Temperature / RH Monitor



- 3 Independent CO₂, humidity and temperature sensors.
- Easy- to-Use PC software for parameter settings and data analysis.
- User operated CO₂ calibration.
- Fast USB download. (50,000 records in less than 10 seconds)
- Internal backup battery to maintain date / time setting.
- Power management IC to increase better efficiency.
- Internal CO₂ alarm buzzer /alarm.

Specifications

- CO₂ Sensing Method : NDIR. (Non-Dispersive Infrared)
- Measures : Carbon dioxide in PPM, temperature (°F or °C), % Relative Humidity.
- CO₂ Measurement range : 0~9999 ppm. (2001~9999 ppm over range)
- CO₂ Accuracy : ± 75ppm, ± 8% of reading. (0~2000 ppm)
- Display Resolution : ±1 ppm.
- Datalogging : 50,000 records.

Applications

- Building HVAC monitoring.
- Indoor air quality survey.

CO₂ Sensor :

Type	Non - dispersive infra-red (NDIR)
Measurement range	0 to 9999 ppm(2001~9999 ppm over range)
Accuracy	± 75ppm ± 8% of reading(0~2000 ppm)
Resolution	± 1 ppm
Response time	2 seconds

General :

Operation condition	32 °F-122°F (0°C-50°C) 0-95%, RH, non-condensing
Storage temperature	-4°F to 140°F (-20°C to 60°C)

Temperature :

Type	Thermistor
Measurement range	0°C ~ 50°C
Accuracy	1°C from 0°C ~ 50°C
Resolution	0.1°C
Response time	1 second

Relative Humidity Sensor :

Type	CMOSens
Measurement Range	1%-99%
Accuracy	± 3.0%RH(20~80%) ± 5.0%RH(<20%,>80%)
Resolution	0.1%
Response Time	8 Seconds

Power Supply :

Battery	4 AA batteries
Battery operation	24 hours
External power supply	5~6V VDC with 0.5A

