

# Datasheet: TIM12 CO2 Monitor



- Large LCD displays CO2, temperature, % relative humidity
- Data Logger when plugged into PC via USB
- Audible alarm warns if CO2 air quality is poor
- User-adjustable high CO2 level warning from 1,000-5,000ppm
- Max/Min CO2 level recall function
- NDIR (non-dispersive infrared) waveguide tech
- ABC (automatic background calibration) - no calibration required
- Date and time on main screen
- Universal power supply, software, manual included

## Measuring Range

CO2 .....	0 – 10,000 ppm
Temperature.....	-10 - 60°C (14 - 140°F, switchable)
Relative Humidity.....	0.1% - 99.9% RH
Resolution .....	1 ppm CO2, 0.1°C/°F, 0.1% RH

## Accuracy

CO2 .....	± 40ppm ± 3% of reading
Temperature .....	±0.6°C (±0.9°F)
Relative Humidity.....	±5% RH (at 25°C, 10 – 90% RH) ±7% RH (at 25°C, others)

**Model: AZ-0003**

## Response Time

CO2 .....	<2 min (90% step change)
Temperature .....	<2 min (90% step change)
Relative Humidity .....	<10 min (90% step change)

## Data Logging (Built-In Memory)

Data Points.....	Up to 15,999 data points
Sampling Rate.....	1 second to 4:59:59 (user configurable)

## General

Warm-up time .....	30 sec
Operating condition.....	0 - 50°C, 5-80% RH (avoid condensation)
Storage condition.....	-20 - 50°C, 5-90% RH (avoid condensation)
LCD size (mm, HxW) .....	60x82
Dimensions .....	120 x 80 mm (diameter x depth), 200g
Power supply .....	120-220VAC to 5VDC, 2500mA adapter with US and EU prong kits included in box