

## ZG-106 | Portable temperature and CO<sub>2</sub> monitor

The ZG-106 is used to measure and record the temperature and the concentration of CO<sub>2</sub>. Thanks to the 16A/250V relay output (optional accessory) it has the ability to control other devices when the set CO<sub>2</sub> level is reached.



- > measures, records temperature and CO<sub>2</sub> concentration
- > Datalogger mode – stores 48 logs of CO<sub>2</sub> and temperature in the past 24 hours
- > Max/Min mod – records the max and min of CO<sub>2</sub> since turned on
- > Alarm mod – a sound signal indicates, that the set CO<sub>2</sub> level is reached
- > the ZG-106 can be used in the offices, waiting rooms, schools, restaurants and likewise

ZG106 is a portable, accurate handheld CO<sub>2</sub> monitor. In addition to measuring the CO<sub>2</sub> concentration, this device can also measure the ambient temperature and both values can be recorded for a limited time period (last 24 hours). It uses NDIR technology to improve the long term stability.

Parameter	Value
Outputs	OC: Norm. Low, 100mA max @ 24VDC. Adjustable set point, factory setting=1000ppm, hysteresis=50ppm.
Power supply	Alkaline, AA 4x (80 hours) / 6 VDC from external AC/DC adapter which is included in package
Power requirement	160 mA peak, 15 mA average from 6V
Operating conditions	32-122°F (0-50°C) 0-95% RH, non-condensing
Storage temperature	-4 to 140°F (-20 to 60°C)
Weight (incl. batt.)	273.6 grams (9.65 oz)
<b>Temp. measurement</b>	
Range	Display 32 to 122°F (0 to 50°C)
Display resolution	0.1°F (0.1°C)
Display options	°F / °C, or Off. Set with Up / Down
<b>CO2 measurement</b>	
Range	0-3,000 ppm
Display resolution	1ppm at 0 ~ 1,000ppm / 5ppm at 1,000 ~ 2,000ppm / 10ppm at 2,000 ~ 3,000ppm
Accuracy	±50 ppm or ±5% of reading
Repeatability	±20 ppm
Temp. dependence	±0.1% of reading per °C or ±2 ppm per °C, whichever is greater, referenced to 25°C
Pressure dependence	0.13% of reading per mm Hg (Corrected via user input for altitude)
Response time	<2min for 63% of step change
Warm-up time	<60 seconds at 22°C
Calibration interval	12 months.
Dimensions	165x81x25 mm

