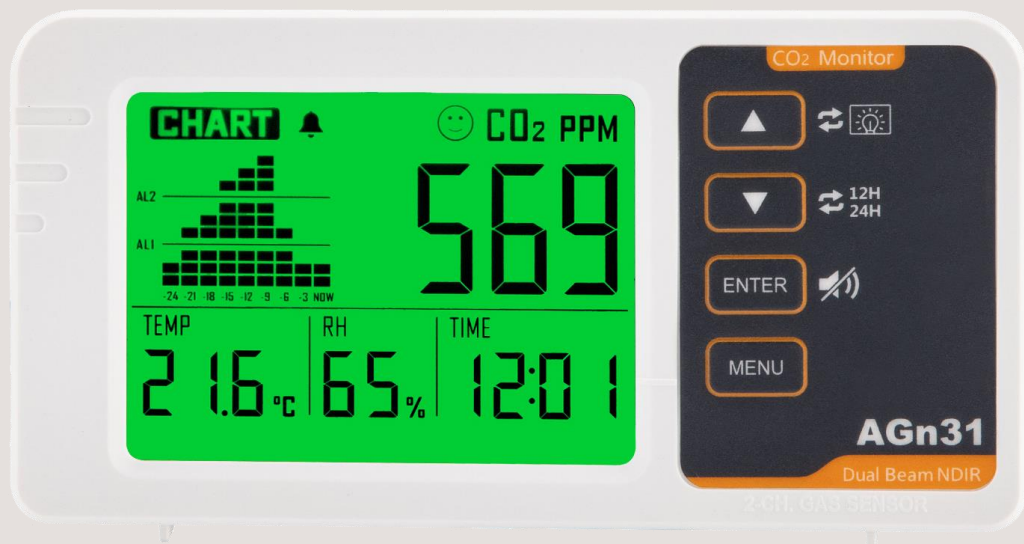


AGn31 Desktop CO2 Monitor

AGn31 is a 4 in 1 CO2 monitor with Dual Beam NDIR technology and large LCD, which clearly displays the CO2, temp, RH and real-time clock. To save power and extend battery life, the AGn31 darkens the LCD backlight automatically from 22:00pm to 6:00 am. It is ideal for monitor air quality inside buildings like residential, library, offices, schools, shopping mall and Greenhouse systems.



4 in 1 CO2 Monitor



Class Room



Public Place



Fitness Room



Agricultural

- Dual Beam NDIR (Non-Dispersive-Infrared) technology is used to improve the long term stability.
- “CHART” with 2 Alarm indicate the status of CO2 records up to 24 hours.
- The Large LCD clearly displays the CO2, temperature, relative humidity and real-time clock
- “ECO” saving power function darkens the LCD backlight (22:00pm to 6:00am).
- 3-color backlight (green / yellow / red) gradually changes color with CO2 concentration.
- 7-day RTC hold on when power off.
- 7-color backlight for options: white - turquoise - blue - purple – green – yellow - red.

7 Colors Backlight



white



red



turquoise



yellow



blue

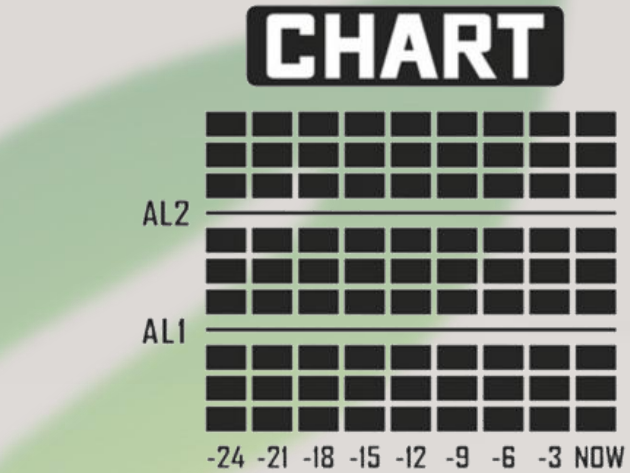
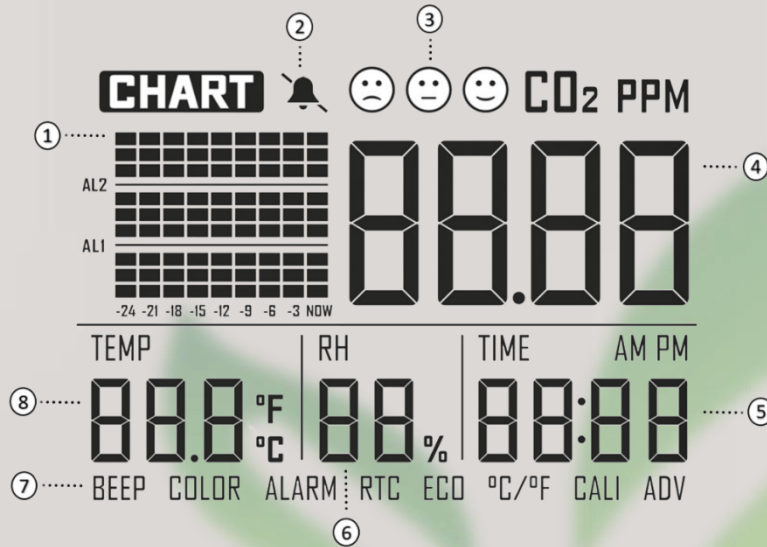


purple



green

1. CO₂ Chart
2. Audible Alarm On/Off
3. Three emoticons
4. CO₂ Reading
5. Real-time clock (hour/minute)
6. RH Reading
7. Main Menu
8. Temperature Reading



Bar graph displays indicate the status of CO₂ records up to 24 hours
 "NOW" bar graph displays the current CO₂ concentration
 "-3" is the average CO₂ concentration of the latest 3 hours
 "-6" In past 6 hours, the average CO₂ concentration of the first 3-hour
 "-9" In past 9 hours, the average CO₂ concentration of the second 3-hour
 "-12" In past 12 hours, the average CO₂ concentration of the third 3-hour
 Etc.



Power Supply
 USB type C power port.

Standard version does not include power adapter

Measurement	Specification
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)
Operating & Storage RH	0-95%, non-condensing
CO ₂ Measurement	
Accuracy at 0-3000ppm	±50ppm or ±5% of reading, whichever is greater
Accuracy over 3000ppm	±7%
Repeatability	20ppm at 400ppm (standard dev. of 10 readings in 1 minute)
Measurement Range	0-5000ppm
Display Resolution	1ppm (0-1000); 5ppm (1000-2000); 10ppm (>2000)
Temp Dependence	±0.2% of reading per °C or ±2ppm per °C, whichever is greater, referenced to 25°C
Pressure Dependence	0.13% of reading per mmHg (corrected by user's altitude input)
Response Time	<2min for 63% of step change or <4.6min for 90% step change
Warm-up Time	10 sec

Temp Measurement	
Operating Temperature	32°F to 122°F (0°C -50°C)
Display Resolution	0.1°F (0.1°C)
Accuracy	±1°F (±0.5°C)
Response Time	<20min (63%)

RH Measurement	
Range	5-95%
Accuracy	±5%
Resolution	1% on Main Reading, 0.1% on Max Min Reading

Power & Dimension & Weight	
Power Requirements	160mA Peak, 15mA average at 5.0V
Dimension	120*61.5*29mm (4.7*2.4*1.1inch)
Weight	103g (3.6oz) Device only, AC Adapter not included