



## GMM100-S8 Carbon Dioxide (CO<sub>2</sub>), Air Temperature & Humidity, Barometric Pressure Monitor & Data Logger



SKU: GMM100S8BK  
 Manufacture warranty period: 12 months  
 Country of Origin: China

### Introduction:

The GMM-100S8 Carbon dioxide (CO<sub>2</sub>) monitor with data logger function measures multiple parameters, the CO<sub>2</sub> Concentration Level (PPM), Air Temperature (°C/°F), Relative Humidity (%RH), Barometric Pressure (hPa, kPa, inHg, PSI), Perpetual Calendar (Date) and Time display.

This model no. GMM-100S8 CO<sub>2</sub> monitor used made in Sweden model number S8-0053 sensor module. It is the air quality CO<sub>2</sub> detector, hygrometer, barometer, altimeter, calendar and clock.

### Features:

- Warning carbon dioxide level
- Large LCD with White Backlight
- Maximum, Minimum Reading Display
- Hold Function
- High Accuracy
- Low Battery Indicator
- Wall-mounted and desktop Design
- CE Certified & RoHS Compliant
- Auto Power Off (with override option)
- Software, USB Lead, Case & Batteries included
- Reading Internal Memory (Data record function)
- Comes With EU Power Adaptor





## Specifications:


- Large LCD Display: 120 x 75mm LCD display with green backlight
- Carbon Dioxide
  - Model: SenseAir@ S8 module (Made in Sweden)
  - Rang: 0-9999PPM
  - Accuracy: +/-50PPM +/-5% rdg (0~5000ppm)
  - Response time: 10 sec
- Temperature
  - Rang: -10°C~70°C (14~158°F)
  - Resolution: 0.1°C/°F
  - Accuracy: ±0.6°C/±0.9°F (0~50°C/32~122°F), others ±1.2°C
- Humidity
  - Range: 0.1-99.9%RH
  - Resolution: 0.1%
  - Humidity: ±3% (10~70%), others ±5%
- Barometric Pressure
  - Range: 10~1100hPa / 1~110kPa / 0.29~32.48inHg / 0.15~16.00 PSI
  - Resolution: 1Pa / 0.1kPa / 0.01inHg / 0.01Psi
  - Humidity: ±3% (10~90%)
- Data Logging: 9144 groups
- Operating condition: 0°C~50°C, 0%~95% RH
- Storage condition: -40°C~60°C, 0%~90% RH
- Sensor Life: 15 years in normal condition


- Portable Supply: 4x 1.5V AA size alkaline batteries (No included)
- Power Supply: DC 9V, 1A AC/DC power adapter
- **Product Size: approx. 160 x 122 x 28mm**
- Net weight: approx. 240g (Batteries included)


## Package included:

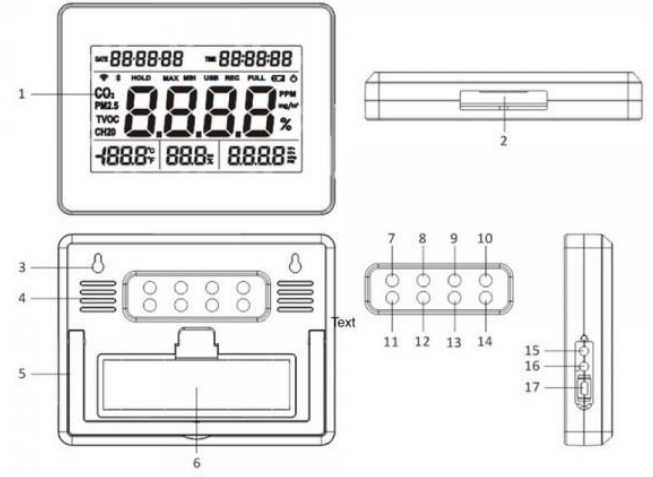
- 1 x GMM100-S8 Data Logger
- 1 x USB Data Cable
- 1 x User Manual
- 1 x Software CD
- 1 x AC/DC EU power adaptor












1. LCD display
2. Backlight/Snoozer
3. Wall-mounted
4. CO2/Temperature/Humidity/Barometer pressure sensor.
5. Stand
6. Battery cover
7. Temperature units: °C/°F
8. Barometric pressure: hPa, kPa, inHg, PSI
9. Hold function
10. Max/Min reading function
11. Non-Auto power button
12. Rec button
13. Power button
14. Adaptor socket
15. Null
16. Null
17. USB socket

### USB cable connecting computer communication

You just need to copy the contents of the CD directly to the computer. When you plug in the USB cable for the first time, you will find the new hardware. When installing, please select the specified list ----- and then select browse to find a USB drive in the directory you put in.



Please refer to the manual for specific software installation and operation guide



Software display:

The screenshot shows the GMM software interface. At the top, there's a menu bar with 'File', 'Communication', 'View', and 'Help'. Below it, a toolbar contains icons for refresh, set time, read parameters, set parameters, data download, and stop recording. The main display area is split into two panes. The left pane shows real-time data for '26/06/2021 13:07:09' with 'Rec: 61'. It displays 'CO2 610 PPM', '25.1 °C', '44.1 %RH', and '1009 hPa'. The right pane shows 'Setting Parameters' and 'Record Parameters' tables. The 'Setting Parameters' table includes fields for Address (1), Serial Number, Test Name, Setting Time (26/06/2021 12:44:13), Total Records (100), Record Interval (10 Sec), and various alarm settings. The 'Record Parameters' table shows the current recording details, including Address (1), Serial Number, Test Name, Setting Time (26/06/2021 12:44:13), Total Records (100), Record Interval (10 Sec), and Test Records (61).

Report in Excel format:

Record	Time	TEMP(°C)	HUMI(%RH)	DP(°C)	AP(hPa)	CO2(PPM)	Altitude(m)
1	26/06/21 12:44:13	25.4	45.6	12.8	1009	604	35.4
2	26/06/21 12:44:23	25.4	45.8	12.9	1009	604	35.4
3	26/06/21 12:44:33	25.4	45.8	12.9	1009	604	35.4
4	26/06/21 12:44:43	25.4	45.8	12.9	1009	603	35.4
5	26/06/21 12:44:53	25.4	45.3	12.7	1009	603	35.4
6	26/06/21 12:45:03	25.4	45.6	12.8	1009	604	35.4
7	26/06/21 12:45:13	25.3	45.6	12.7	1009	605	35.4
8	26/06/21 12:45:23	25.4	45.6	12.8	1009	605	35.4
9	26/06/21 12:45:33	25.3	45.7	12.8	1009	605	35.4
10	26/06/21 12:45:43	25.3	45.6	12.7	1009	605	35.4
11	26/06/21 12:45:53	25.3	45.5	12.7	1009	605	35.4
12	26/06/21 12:46:03	25.3	45.6	12.7	1009	606	35.4
13	26/06/21 12:46:13	25.3	45.7	12.8	1009	608	35.4
14	26/06/21 12:46:23	25.3	45.5	12.7	1009	609	35.4
15	26/06/21 12:46:33	25.3	45.5	12.7	1009	609	35.4
16	26/06/21 12:46:43	25.1	45.6	12.5	1009	609	35.4
17	26/06/21 12:46:53	25.2	45.2	12.5	1009	609	35.4
18	26/06/21 12:47:03	25.2	45.4	12.6	1009	609	35.4
19	26/06/21 12:47:13	25.2	45.4	12.6	1009	609	35.4
20	26/06/21 12:47:23	25.3	45.4	12.7	1009	608	35.4
21	26/06/21 12:47:33	25.3	45.3	12.6	1009	608	35.4
22	26/06/21 12:47:43	25.2	45.4	12.6	1009	609	35.4
23	26/06/21 12:47:53	25.2	45.5	12.6	1009	609	35.4

The screenshot shows the GMM software interface with a data table and a trend graph. The table displays records from 44 to 61, with columns for Record, Time, TEMP(°C), HUMI(%RH), DP(°C), AP, and Altitude. The 'Record Parameters' pane on the right shows details for the selected record (Record 1), including Address (1), Serial Number, Test Name, Setting Time (26/06/2021 12:44:13), Total Records (100), Record Interval (10 Sec), and various alarm settings. Below the table, a 'List & Trend' section allows users to view data as a list or a trend graph. The trend graph shows multiple data series (Temp, Humi, DP, AP, CO2, Altitude) over time, with a 'Low Alarm(T)' and 'High Alarm(T)' indicator. The graph shows a significant drop in temperature and humidity around 12:46:43, corresponding to record 16 in the table.