

Pictures



Models	GM8800A	GM8800B	GM8801	GM8802
page	P99	P100	P101	P102
Detection gas	x	x	HCHO	CO ₂
Alarm indication	✓	✓	x	x
Measuring range	x	x	0~3mg/m ³	0~2000mg/m ³
Probe reset	✓	✓	x	x
Basic error	x	x	±0.03mg/m ³ or ±5%	±50ppm or ±3%
Time response	2S	2S	< 30s	< 30s
Detect control	✓	✓	x	x
Low electricity prompt	x	x	✓	x
Charging function	x	x	✓	x
Buzzer alarm limit	x	x	✓	✓
Max/Min	x	x	✓	✓
Warm up time	60S 25°C 60%RH	60S 25°C 60%RH	x	x
Keeping data	x	x	x	x
Backlight	x	x	x	x
High/low emergency alarm concentration Settings	x	x	x	x
Using environment	0~52°C	0~52°C		
°C/°F Choice	x	x	x	x
measurement data	x	x	x	x
Auto Power Shut Off	x	x	x	x

Pictures



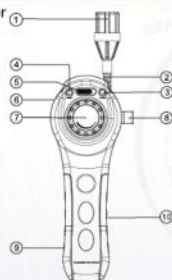
Models	GM8803	GM8804	GM8805	GM8806
page	P103	P104	P105	P106
Detection gas	PM2.5/PM10	PM2.5/PM10 HCHO	CO	NH ₃
Alarm indication	x	x	x	x
Measuring range	0~5000µm/m ³	PM2.5/PM10 0~5000µm/m ³ HCHO 0~1mg/m ³	0~1000ppm	0~100ppm
Probe reset	x		x	x
Basic error	x	x	x	1ppm
Time response	< 10s	< 10s	x	< 120s
Detect control	x	x	x	x
Low electricity prompt	✓	✓	x	x
Charging function	✓	✓	x	✓
Buzzer alarm limit	✓	✓	x	✓
Max/Min	✓	✓	✓	✓
Warm up time	x	x	x	x
Keeping data	x	x	✓	x
Backlight	x	x	✓	✓
High/low emergency alarm concentration Settings	x	x	x	✓
°C/°F Choice	x	x	x	✓
measurement data	x	x	x	✓
Auto Power Shut Off	x	x	x	✓

⚠ Warning: prohibit charging or disassembling batteries in an explosive

Specification	
Sensitivity	50ppm Methane
Ensor Type	Low Power Semiconductor
Warm-up Time	60 seconds
Response Time	2 seconds
Operation Cycle	Continual Operation
Sensor Size	16 Inches
Power Supply	3 C-type bayeries
Warm-up time	8hours(varying with operating status)
Low battery indication	3±0.2V
Operating environment temperature	0~50°C
Power	3*1.5V LR14 batteries
Working current	about 150mA
Product size	76*51.4*220mm

- Function**
- 1. High sensitivity
 - 2. Quick find the resource of leakage
 - 3. Indicating the leakage via alarming bulb
 - 4. High precision sensor able to detect slight gas leakage
 - 5. Quick response
 - 6. Monophony earphone socket
 - 7. 16-Inch long goose neck

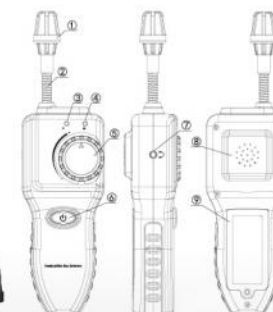
- Device and indication device**
- 1. Sensor tip and built-in sensor
 - 2. Goose neck
 - 3. Alarm indication
 - 4. Power indication
 - 5. Power on toggle switch
 - 6. Earphone socket
 - 7. Beep sound rate adjustment
 - 8. Sensor clip
 - 9. Handle
 - 10. Battery door



⚠ Warning: prohibit charging or disassembling batteries in an explosive

Specification	
Sensitivity	50ppm Methane
Ensor Type	Low Power Semiconductor
Warm-up Time	60 seconds
Response Time	2 seconds
Operation Cycle	Continual Operation
Sensor Size	16 Inches
Power Supply	3 C-type bayeries
Warm-up time	8hours(varying with operating status)
Low battery indication	4±0.2V
Operating environment temperature	0~50°C
Power	4* 1.5v AA alkaline battery
Working current	about 150mA
Product size	76*51.4*220mm
Alarm Limit	Lel 10% Of Methane ^[1]
Operation environment	0~50°C ^[2]

- Device and indication device**
- 1. Probe cap and built-in sensor.
 - 2. Gooseneck
 - 3. Power indicator (after startup)
 - 4. Alarm lamp indicates.
 - 5. Rate (sensitivity) is adjusted.
 - 6. Open/shut down key.
 - 7. Headset interface
 - 8. End the horn hole
 - 9. Pet-name ruby battery door



[1]. LEL stands of low limit for explosion, the lowest content of acombustible gas in air that results in explosion, can be refered toas %LEL.

[2]. For precise reading the product can only be operated in the local environment as following.

temperature: 0~50(°C32~120°F)

Relative Humidity: 10~90% RH (non-condensing)

- Function**
- 1. High sensitivity; Quick response.
 - 2. The air leakage can be indicated by alarm light.
 - 3. High precision sensors can test small leakage sources.
 - 4. Single channel headphone jack.
 - 5. 1 6 inch long gooseneck.
 - 6. Easy to find the leakage source quickly.
 - 7. Probe reset/detachable control.



Specification

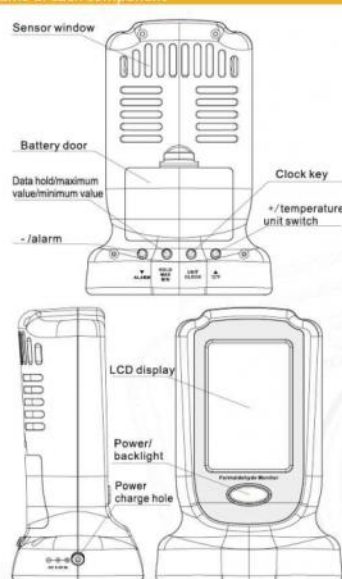
Detected gas	Formaldehyde (HCHO) in the Air		
Measuring range	0-3mg/m ³	Minimum reading	0.01mg/m ³
Warm-up Time	0.01mg/m ³	Basic error	±0.03±5%
Response time	<30s		
Sensor type	Electrochemical HCHO sensor		
Working environment	0-50°C, 32-122°F; 10-90%RH		
Storage environment	-10-80°C, -14-176°F; 10-75%RH		
Sensor type	Electrochemical HCHO sensor		
Dimension	91.5x64.8x135mm		
Weight	152g		

Read the formaldehyde concentration

When the screen displays 30s countdown after startup, it can display the formaldehyde concentration as well as temperature and humidity of current environment. Keys other than the backlight key are invalid for operation before completion of 30 seconds countdown. The measured formaldehyde concentration will be displayed by four emoticons on the LCD display:

- 😊 ≤ 0.05mg/m³
- 😬 > 0.05mg/m³, ≤ 0.10mg/m³
- 😷 > 0.10mg/m³, ≤ 0.20mg/m³
- 💡 > 0.20mg/m³

Name of each component



LCD display



Specification

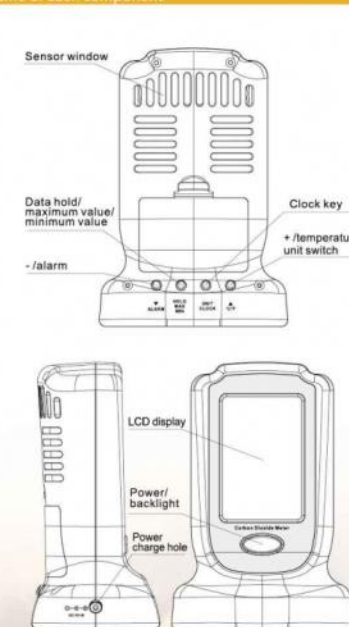
Detected gas	Carbon dioxide (CO ₂) in the Air		
Measuring range	0-9999ppm	Minimum reading	1ppm
Resolution ratio	1ppm	Accuracy	±(40ppm+3%)
Response time	<120s		
Sensor type	NDIR CO ₂ gas sensor		
Working environment	0-50°C, 32-122°F; 10-90%RH		
Storage environment	0-50°C, 32-122°F; 10-85%RH		
Power supply	5V power adapter (no battery equipped)		
Dimension	91.5*64.8*135mm		
Weight	156.5g		

Read the formaldehyde concentration

1. Startup and shutdown Press the power key to start it up and long press the power key to shut it down.
2. Read carbon dioxide concentration After starting up, the indicator '----' will appear in the middle of the screen until carbon dioxide sensor starts to signal, which takes about (90 ~ 120) seconds. The measured carbon dioxide concentration will be displayed by six emoticons on the LCD display:

- 😊 ≤ 450ppm
- 😬 > 450ppm, ≤ 900ppm
- 😷 > 900ppm, ≤ 1200ppm
- 😷 > 1200ppm, ≤ 1800ppm
- 💡 > 1800ppm, ≤ 2500ppm
- 💡 > 2500ppm

Name of each component



Specification	
Detected gas	Particulate concentrations in the air (PM2.5, PM10)
Measuring range	(0~5000) ug/m ³ Minimum reading 1 ug/m ³
Resolution ratio	1 ug/m ³ Minimum resolution particle size 0.3um
Response time	≤10S
Measurement principle	Laser diffusion principle
Working environment	0~50°C, 32~122°F; 10~90%RH
Storage environment	-10~80°C, -14~176°F; 10~75%RH
Power supply	3 * 1.2V AA rechargeable NiMH or 5V 1A power adapter
Dimension	91.5*64.8*135mm
Weight	152g(excluding of batteries)

Features
1. Dynamic and real-time detection of PM2.5 and PM10 concentration in the air. 2. Environmental temperature and humidity measurement and temperature unit conversion. 3. Switching between three different display modes. 4. Display of the maximum and minimum values. 5. Data hold function. 6. Sound and light alarm settings. 7. LCD backlight display of air quality level.

Safety Warnings
▶ 0 ug/m³ ~ 75 ug/m³: Air quality level is GOOD (green, good). ▶ 75ug/m³ ~ 150ug/m³: Air quality level is FAIL (yellow, slightly polluted, unhealthy). ▶ ≥150 ug/m³: Air quality level is BAD (red, heavily polluted, very unhealthy).

Specification	
Detected gas	Particle concentration in the air (PM2.5, PM10)
Particle concentration measurement range	(0~5000) ug/m ³ Minimum reading of particle concentration 1 ug/m ³
Effective range of formaldehyde concentration	(0~1) mg/m ³ Minimum reading of formaldehyde concentration 0.01 mg/m ³
Particle concentration resolution	1 ug/m ³ Minimum resolution particle size 0.3um
Formaldehyde concentration resolution	0.01 mg/m ³ Maximum error of formaldehyde concentration < ±5%FS
Response time	≤10S
Measurement principle	Particulate concentration: Laser diffusion principle HCHO concentration: Electrochemical principle
Working environment	0~50°C, 32~122°F; 10~90%RH
Storage environment	-10~80°C, -14~176°F; 10~75%RH
Power supply	3 * 1.2V AA rechargeable NiMH or 5V 1A power adapter
Dimension	91.5*64.8*135mm
Weight	152g(excluding of batteries)

Features
1. Dynamic and real-time detection of PM2.5 and PM10 concentration in the air. 2. Environmental temperature and humidity measurement and temperature unit conversion. 3. Switching between three different display modes. 4. Display of the maximum and minimum values. 5. Data hold function. 6. Sound and light alarm settings. 7. LCD backlight display of air quality level.

Safety Warnings
▶ 0 ug/m³ ~ 75 ug/m³: Air quality level is GOOD (green, good). ▶ 75ug/m³ ~ 150ug/m³: Air quality level is FAIL (yellow, slightly polluted, unhealthy). ▶ ≥150 ug/m³: Air quality level is BAD (red, heavily polluted, very unhealthy).

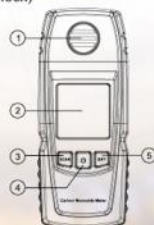


Specification	
Detected gas	CO in air
Measuring range	0~1000ppm
Frequency ratio	1ppm
Minimum reading	1ppm
Basic error	±5%(F.S), ±10ppm
Response time	60 seconds
Sensor type	Electrochemistry CO sensor
Working environment	0~50°C, 32~122°F; 10~90%RH
Storage environment	-10~80°C, -14~176°F; 10~75%RH
Power supply	2x1.5V AAA battery
Dimension	55.7x29.9x135.5mm
Weight	104g

- Features**
- 1. Large-screen digital and character display, instant value and maximum value display.
 - 2. Safety indication: regular light flashing and voice indication. When carbon monoxide concentration increases, buzzing voice frequency would also be increased.
 - 3. Excellent audible alarm.
 - 4. Low maintenance cost.
 - 5. Support carbon monoxide detection.
 - 6. Solid shell and robust electric characters.
 - 7. Carbon monoxide concentration of 0~1000ppm can be displayed on the large LCD screen.
 - 7. Bright back-light lighting; it can clearly indicate carbon monoxide detector under dark environment.
 - 8. Automatically shut off if it is not operated for 10 minutes, to extend battery service life.
 - 9. Convenient to replace battery.
 - 10. Special sensor for stable electronic chemistry carbon monoxide.
 - 11. Sensor of over three-year service life and battery of 100-hour alkaline service life (typical value).

Name and function of each component

- 1. Air hole (pay attention to not block)
- 2. LCD display
- 3. Inspection
- 4. Power switch
- 5. Setting



LCD display

- 1. Detection in process
- 2. Maximum value
- 3. Average value
- 4. Data hold
- 5. Backlight
- 6. Battery electric quantity
- 7. Gas concentration reading
- 8. Gas concentration unit
- 9. Temperature reading
- 10. Temperature unit

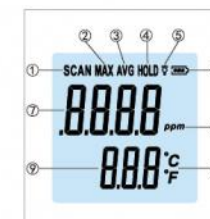


Specification	
Detected gas	Nh3 content in the air
Range	0~100ppm
Resolution	1ppm
Minimum reading	1ppm
Maximum error	≤50ppm; ±5ppm; (50~100)ppm: ±10%
Response time	≤120s
Sensor type	Electrochemical ammonia sensor
Alarm	Sound alarm
Operating environment	0°C~40°C (32°F~104°F); 10%RH~90%RH (Without condensation)
Measurement principle	Particulate concentration: Laser diffusion principle HCHO concentration: Electrochemical principle
Powered by	2x1.5V AAA batteries
Size	55.7*29.9*135.5mm
weight	104g
Dimension	91.5*64.8*135mm
Weight	152g(excluding of batteries)

- Features**
- 1. Ammonia content detecting
 - 2. Detecting mode selection among current value, maximum value and average value.
 - 3. Alarm of over high/low ammonia content
 - 4. High/low limits capable of private setup
 - 5. LED backlight
 - 6. Selectable of automatic turn-off or non-automatic turn-off
 - 7. Switching between temperature units and environment temperature
 - 8. Reading hold function
 - 9. Zero point calibration

LCD display

- ① Current value icon
- ② Maximum value icon
- ③ Average value icon
- ④ Data hold
- ⑤ Backlight icon
- ⑥ Battery volume icon
- ⑦ Gas content icon
- ⑧ Gas content unit
- ⑨ Temperature value
- ⑩ Temperature unit



Components

- ① Opening
- ② LCD
- ③ Mode switch and setup key
- ④ Power on/off & backlight key
- ⑤ Data hold & temperature unit switch

