



***PORTABLE 10 IN 1 MULTI GAS DETECTOR
LMGD-A10***

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Portable 10 in 1 Multi Gas Detector LMGD-A10 is simultaneous detector of 10 gases namely O₂, CH₄, CO₂, VOC, CO, H₂S, SO₂, CL₂, NO₂, NH₃. It display multiple display modes selectable, multi-channel data mode, multi-curve mode, multi-channel data + multi-curve mode and single channel + single curve mode. Designed with 3.5-inch high-definition color screen, high resolution, wide viewing angle. The air supply system of up to three pumps can switch the pump arbitrarily, blocking the loss of the cross-gas to the relevant sensor and prolonging the service life of the sensor. It support gas concentration data display, gas concentration real-time curve display mode arbitrary switching.

FEATURES

- It simultaneously detects 10 gases namely O₂, CH₄, CO₂, VOC, CO, H₂S, SO₂, CL₂, NO₂, NH₃
- Adopting a modular internal structure and obtaining a structural design patent
- Designed with 3.5-inch high-definition color screen, high resolution, wide viewing angle
- It use of imported high-precision sensor
- Built-in three independent air intake modules, zone detection gas, test results are not affected by gas measure range and type, up to 18 gases can be detected
- It is divided into 3 detection modules, each of which can detect up to 6 gases
- Equipped with two grade sound and light alarm, alarm point can be set, with built-in large capacity rechargeable lithium battery, can work long time
- It can be directly connected to the computer through USB, quickly download stored data, TXT document with PC software to download dates in EXCEL
- Offers standard with metal detection extension rod, suitable for a variety of detection environments
- It support gas concentration data display, gas concentration real-time curve display mode arbitrary switching

APPLICATIONS

Portable 10 in 1 Multi Gas Detector is used in pharmaceutical, medical, food, corrosion, Disinfection, chemical fertilizers, resins, adhesives and across pesticides, raw materials, samples, process and breeding plants, waste treatment plants, perm places

SPECIFICATION

Model no.	LMGD-A10
Gas Detected	O2 CH4 CO2 VOC CO H2S SO2 CL2 NO2 NH3
Detection principle	Electrochemical principle (O2 CO H2S SO2 CL2 NO2 NH3)
	Infrared principle (CH4 CO)
	Photoionization principles (VOC)
Measurement Range	O2: 0-30%VOL, CH4: 0-50000PPM, CO2:0-50000PPM
	VOC:0-2000PPM, CO:0-999PPM, H2S: 0-200PPM
	SO2: 0-25PPM, CL2: 0-50PPM, NO2: 0-100PPM, NH3:0-100PPM
Resolution	O2: 0.01%VOL, CH4: 1PPM, CO2:1PPM
	VOC:1PPM, CO:0.1PPM, H2S: 0.1PPM
	SO2: 0.01PPM, CL2: 0.01PPM, NO2: 0.01PPM, NH3:0.01PPM
Concentration unit	ppm, mg/m3, %VOL, %LEL, can be switched by one button and the concentration value is automatically converted by
	the internal system
Precision	2% FS
Response Time	≤ 10S
Repeatability	≤ ± 1%
Zero shift	≤ ± 1% (F.S / Year)
Sampling method	Built-in stable flow pump, each flow pump is equipped in each independent module, pump flow is adjustable in ten steps, flow range: 0-800 mL/Min
Modular structure	3 detection modules, each module can be selected to detect up to 6 kinds of gases, and a total of 18 kinds of gases can be selected
Display	3.5 inch colour display, resolution 320×480
Display content	Gas formula, concentration data, unit of measure, gas curve trend, battery level, time, temperature, humidity, pressure (optional), pump status, wireless status, printer status, screen capture status
Display mode	Multiple display modes selectable, multi-channel data
	mode, multi-curve mode, multi-channel data + multi-curve mode, single channel + single curve mode
Temperature Humidity display range	Temperature: -20°C- 50 °C, resolution: 0.1 °C
	humidity: 0-99% RH, resolution: 1% RH (optional)
Data storage	Standard 8G SD card storage function (more capacity can be customized), storage interval can be set by itself, can
	achieve local storage, view, delete historical data and alarm records, can be directly connected to the computer through USB, quickly download stored data , TXT document; with PC software to download, store, analyze, print data
Communication	Output RS232, RS485 signal; with PC software to download, store, analyze, print data (optional)
Wireless transmission	Bluetooth (with printer), ZigBee, built-in DTU wireless module (optional)
Printing	Built-in printer or external Bluetooth printer (optional), Print Content: Text, graphics, 1D code, 2D code, curve

Screen capture settings	The content displayed by the current host saved in the form of a BMP picture, and then the picture exported to the computer through the USB cable for the user to record and reference
Battery capacity	3.7 VDC, 10000 mA rechargeable polymer battery with overcharge, over discharge, over voltage, short circuit protection
Charging interface	Micro-USB charging interface is designed to be charged anytime, anywhere with common data lines and mobile power
Operating temperature	-40°C-70°C (optional flue gas sampling probe, up to 1200°C smoke concentration)
Working humidity	0-95% RH (no condensation) (high humidity can be selected with filter drying device)
Explosion-Proof	Exic II CT3 Gc
Alarm mode	Buzzer, red LED and alarm status prompt on the display, fault alarm, pump abnormal alarm, battery low battery alarm, shutdown alarm, fall alarm (optional)
Dimension	260×230×120 mm
Recovery Time	≤ 10S
Linearity error	≤ ± 1%
Degree of protection	IP66
Weight	3700 g

STANDARD ACCESSORIES

Accessories no.	Name
1	Charger
2	Carrying case
3	Soot filter water vapour
4	Air sampling rod
5	Tube 600 mm