

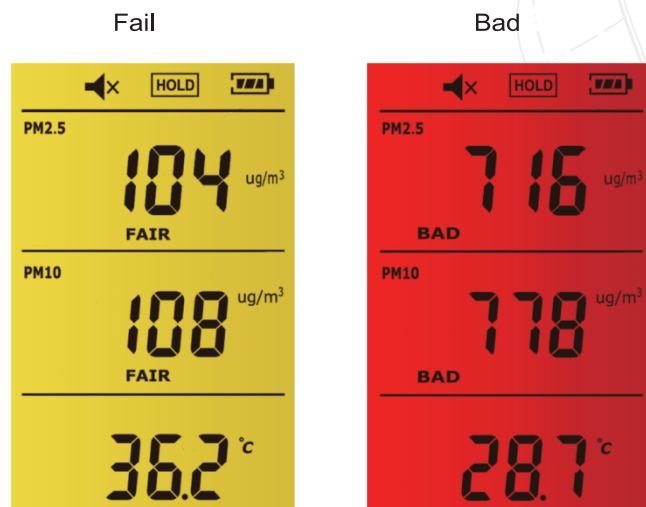
Function	GM8803	GM8804
PM2.5 and PM10 concentration detection	√	√
Formaldehyde concentration detection	×	√
Environmental temperature and humidity measurement and temperature unit conversion.	√	√
Switching between three different display modes	√	√
Display of the maximum and minimum values	√	√
Data hold function	√	√
Sound and light alarm settings	√	√
LCD backlight display of air quality level	√	√

Specification	GM8803	GM8804
Detected gas		
Particle concentration measurement range	(0~5000)ug/m ³	
Minimum reading of particle concentration	1ug/m ³	
Particle concentration resolution	1ug/m ³	
Minimum resolution particle size	0.3um	
Effective range of formaldehyde concentration	×	(0~1)mg/m ³
Minimum reading of formaldehyde concentration	×	0.01mg/m ³
Formaldehyde concentration resolution	×	0.01mg/m ³
Maximum error of formaldehyde concentration	×	<±5%FS
Response time	≤10S	
Measurement principle	Laser diffusion principle	Laser diffusion principle(Particulate) Electrochemical principle(HCHO)
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)	

This instrument is used to check the insulation resistance of electrical equipment, household appliances or electrical circuits to the ground and between phases to ensure that these equipment, electrical appliances and circuits are working in a normal state, and to avoid accidents such as electric shock and equipment damage.

Function	GM3123	GM3125
Auto- discharge function	√	√
LCD Back-light	√	√
Digital readout display	√	√
Live circuit warning symbols with audio sounds	√	√
Auto- power off function	√	√
Timer measurement function	√	√
Low battery indication	√	√
PI measurement (Polarization index measurement)	×	√
Suitable for 12V DC adapter (12V/1A)	√	√

Specification	
Display	Max. 999 counts LCD display (1000 counts at 1T is displayed)
Over range indication	OL mark appears on insulation resistance range. LO mark appears on voltage's range.
Auto- ranging	Range shifts to upper range: 1000 count Range shifts to lower range: 95 counts (merely on the insulation resistance range)
Sample rate	0.5~ 10 times/sec
Operable altitude	Less than 2000m (Indoor use)
Operation circumstance	Temperature 0~40°C, humidity <= 85%
Storage circumstance	Temperature -20~ 60 , humidity <= 90%
Overload protection	Insulation resistance : AC 1200V/ 10s Voltage : AC 720V/ 10s
Voltage resistance	AC8320 (50/60Hz)/ 5 second (between electrical circuit and enclosure)
Insulation resistance	1000M of more/ DC 1000V (between electrical circuit and enclosure)
Power supply	DC12V (8x1.5V LR14 battery)
Battery's life	Approx. 15 hours
Dimension	153x96x200 mm
Weight	1032g (without batteries and test wires)



Insulation resistance tester				
Rated voltage	250V	500V	1000V	2500V
Test range	0.0~99.9MΩ 100~499MΩ	0.0~99.9MΩ 100~999MΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~1.99GΩ	0.0~99.9 MΩ 100~999 MΩ 1.00~9.99GΩ 10.0~99.9GΩ
Open circuit voltage	DC 250V +30% -0%	DC 500V +30% -0%	DC 1000V +20% -0%	DC 2500V +20% -0%
Rated current	0.5MΩloading 0.5mA~0.55mA	0.5MΩ loading 1mA~1.2mA	2.5MΩ loading 1mA~1.2mA	2.5MΩ loading 1mA~1.2mA
Short-circuit current	Approx. 1.3mA			
Accuracy	±5%rdg ±3%dgt			



DC input interface (12V/1A)



Charger
(GM8803)

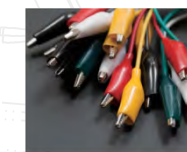


Charger
(GM8804)

Application



Resistance detection



Circuit detection



Home appliance testing



Power equipment testing



Three-color alligator clip



Three-color small test pen



Screwdriver

- GM3123
- GM3125