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Zetron MS104K-M Portable four-in-one gas detector



Parameter

Detection factor	1-4 gases (carbon monoxide CO, hydrogen sulfide H2S, oxygen O2, combustible gas Ex, CO2 CO2, VOC, etc.), Depending on the site environment and user needs		
Scope of detection	Depending on the site environment and user needs		
resolution ratio	0.001ppm (0-10ppm high precision) / 0.01ppm (0-10 ppm);0.01ppm (0-100 ppm),0.1ppm (0-1000 ppm), 1ppm (0-5000 ppm); 0.1% LEL; 0.01%Vol		
Unit display	Option: umol / mol, ppm, mg/m3, VOL%, LEL%		
Detection principle	Electrochemistry, catalytic combustion, infrared, thermal conductivity, semiconductor, PID photoions, etc., according to the range, field environment and user needs		
Sensor life	2 – 3 years for electrochemical chemistry, 2 – 3 years for catalytic combustion, 5 years for infrared, 2 – 5 years for thermal conductivity, and 2 years for PID		
detection mode	Diffusion type / pump suction type, standard equipment: external pump, pump plug alarm function		
display mode	LCD		
Display content	Real-time concentration, alarm, time, storage, communication state, electric quantity, charging state, concentration unit, gas molecular formula, etc		
Detection accuracy	Typical accuracy: $\pm 3\%$ FS (optional higher precision sensor)	uncertainty	$\leq \pm 2\%$
degree of linearity	$\leq \pm 3\%$	repetitiveness	$\leq \pm 2\%$
response time	T9020 seconds (GM)	recovery time	30 seconds (GM)
working power supply	DC 7.4V		
battery capacity	7.4V, 1400 mAH rechargeable polymer battery, with over charge, over discharge, over voltage, short circuit, overheat protection functions		
stand-by time	Over 100 hours (no catalytic sensor)		
The alarm volume	Buzzer 85dB (1 m distance)		
service environment	Temperature: -20°C ~ + 60°C, it can be customized-40°C ~ + 70°C; Relative humidity: 10-95% RH		
communication interface	Standard Type-C fast charging and communication, with a seat charging base		
data storage	Standard capacity 100,000; support local view, delete or data export, storage time interval set		
Interface language	Chinese or English can be set, the default Chinese interface		
Explosion-proof type	Intrinsically safe type Exia II CT4Ga		
levels of protection	IP68		
Case material	High strength corrosion resistance, fire proof polycarbonate, integral glue, anti-fall wear resistance anti-static, effective drop resistance of 5 meters		
External size	Maximum size: 907038mm (LWH)	weight	200g
standard accessory	Manual, qualification certificate, USB charger (including data line), instrument box, external pump, filter 1.		

MS400 Portable 4 in 1 Gas Detector



Parameter

Measuring gas	Hydrogen sulfide (H ₂ S) Carbon monoxide (CO) Oxygen (O ₂) Sulfur dioxide (SO ₂)
Measuring range	H ₂ S:0-100000ppm CO:0-10000ppm O ₂ :0-100%Vol SO ₂ :0-10000ppm and other ranges can be customized
Resolution	0.01 ppm 1 ppm 0.01 %Vol 0.1 %Vol Other resolution can be customized
Sensor type	Infrared Sensor Other Sensor:Laser , Electrochemical, Thermal conductivity, catalytic combustion, thermal conductivity, PID photoionization, and so on. Depending on the type of gas, range, field environment and user demand, Other sensors can be customized.
Measuring type	Built-in Pump sunction
Response time	T90<30s
Display	2.31-inch high-definition color screen
Alarm method	sound & light alarm; vibration alarm; sound & light + vibration alarm; turning off the alarm
Battery	DC3.7V, 4500mA high capacity rechargeable polymer battery
Data storage	Standard capacity is 100, 000 entries
Working temperature	-40 °C ~ + 70 °C
Working humidity	≤10 ~ 95% RH
Housing	Rubber enclosure
Standard accessories	Manual, qualification certificate, warranty card, USB charger (including the data cable), belt clip, colorful packaging box (optional high-grade aluminum instrument case)
Dimension	160×70×28mm (L×W×H)
Weight	300g
Ex grade	Ex ia IIC T6 Ga Intrinsically safe type
Ingress protection	IP65

MS500 Portable 5 in 1 gas detector



Parameter

Gases to be detected	Arbitrary combination of 1 ~ 5 types of gases such as toxic gases, oxygen gas, carbon dioxide, inflammable and explosive gases, TVOC, and so on. Optional configuration: temperature and humidity measurements.				
Application scenarios	All the cases which requires the portable rapid detection of gas concentrations such as petroleum, chemical, pharmaceutical, environmental protection, combustion gas distribution, warehousing, smoke gas analysis, air governance, and so on.				
Detection range	0 ~ 1, 10, 100, 1000, 5000, 50000, 100000ppm, 200 mg/L, 100%LEL, 20%, 50%, 100%Vol, can be selected; and other ranges can be customized.				
Resolution	0.01ppm or 0.001ppm (0 ~ 10 ppm); 0.01ppm (0 ~ 100 ppm), 0.1ppm (0 ~ 1000 ppm), 1ppm (0 ~ 10000 ppm or more), 0.01 mg/l (0 ~ 200 mg/l), 0.1% LEL, 0.01%, 0.001% Vol				
Detection principle	Electrochemical, catalytic combustion, infrared, thermal conductivity, PID photoionization, and so on, depending on the type of gas, range, field environment and user demand.				
Sensor service life	Electrochemical principle: 2 ~ 3 years; Oxygen gas: 2 years or 6 years can be selected; infrared principle: 5 ~ 10 years; catalytic combustion: 3 years; thermal conductivity: 5 years; PID photoionization: 2 ~ 3 years.				
Allowable error	≤±2% F.S (other or higher precision levels can be customized)				
Linearity	≤±2%	Repeatability	≤±2%	Uncertainty	≤±2%
Response time	T90≤20 seconds	Recovery time	≤30 seconds		
Working environment	Temperature: -40 °C ~ + 70 °C, humidity: ≤10 ~ 95% RH, and built-in filters can be used in high humidity or high dust environment.				
Sample gas temperature	-40 °C ~ + 70 °C, and the optional configuration of high-temperature sampling and cooling filter handle will be possible to detect the smoke gas at the temperature of 800 °C or higher.				
Temperature and humidity measurement	Optional configuration: temperature at -40 °C ~ + 70 °C, accuracy level at 0.5 °C; humidity at 0 ~ 100% RH, precision level at 3 % RH				
Power supply	3.6VDC, 5500mA high capacity rechargeable polymer battery				
Detection mode	Built-in pump-suction type measurement, and flow rate at 500 ml / min. Calibration flow rate should be greater than 500 ml / min, three-way pipe should be connected, so as to ensure that the excessive gas will be discharged from the bypass				
Alarm mode	It is possible to set as sound & light alarm, vibration alarm, sound & light + vibration alarm, Turning off the alarm.				
Communication interface	USB (charging and communication), optional: RS232, infrared				

	communication, automatic recognition
Data storage	Standard configuration is the data storage capacity for 100, 000 entries
Protection level	IP66
Explosion-proof type	Intrinsically safe type
Explosion-proof mark	Exia II CT6
Exterior dimensions	180×78×33mm (L×W×H)
Weight	350g
Standard accessories	Manual, qualification certificate, warranty card, USB charger (including the data cable), high-grade aluminum instrument case, belt clip, humidity dust filter
Optional items	Temperature and humidity measurement function, 1.2 m retractable sampling handle (1-10 meter hose, and the standard length is 1 meter), 0.4 meter stainless steel sampling handle (with dust filter, not retractable), high temperature sampling and cooling filter handle, high temperature humidity pretreatment system, multiple humidity dust filter, hanging rope, CD-ROM (upper level computer communication software), external mini wireless infrared printer

Zetron CD4 Mining Diffusion Gas Meter



CD4 Portable Multi-gas Detector

OVERVIEW

The CD4 mining uses gas detector adopts large-scale integrated circuit technology and complies with international intelligent technology standards. This detector uses catalytic and electrochemical gas sensors to detect gases through natural diffusion, with excellent sensitivity and repeatability. Convenient use and maintenance greatly meet the high-reliability requirements of equipment for safety monitoring in industrial sites such as coal mines. The shell is made of high-strength engineering plastic, which has high strength, a good hand feel, and is waterproof, dustproof, and explosion-proof.

This tester is widely used in industries such as coal mines, petroleum, chemical industry, environmental protection, metallurgy, refining, gas transmission and distribution, biochemical medicine, agriculture, etc. We provide gas detector OEM/ODM service.

FEATURE

Detecting gas:

CH₄, H₂S, CO, O₂

*Natural diffusion sampling method and high-sensitivity sensor, with high sensitivity and repeatability.

*32-bit built-in MCU, high reliability, and self-adaptation ability.

*Full functions, easy operation.

*CSTN colorful LCD, more intuitionistic, abundant, and clear indication.

*Compact design, easy carrying.

*High-strength engineering plastics and compound anti-slippery rubber; high strength, water-proof, dust-proof, and explosion-proof.

*500pcs data records, can be contacted with computer via software. Can print the data records, can store data records, and can make the data analysis.

MS400-VOC Pump VOC Gas Monitor



Parameter

Measuring gas	VOC
Measuring range	0-5000、10000ppm and other ranges can be customized
Resolution	1 ppm Other resolution can be customized
Sensor type	Laser , Electrochemical, Thermal conductivity, catalytic combustion, thermal conductivity, PID photoionization, and so on. Depending on the type of gas, range, field environment and user demand, Other sensors can be customized.
Measuring type	Built-in Pump sunction
Response time	T90<30s
Display	2.31-inch high-definition color screen
Alarm method	sound & light alarm; vibration alarm; sound & light + vibration alarm; turning off the alarm
Battery	DC3.7V, 4500mA high capacity rechargeable polymer battery
Data storage	Standard capacity is 100, 000 entries
Working temperature	-40 °C ~ + 70 °C
Working humidity	≤10 ~ 95% RH
Housing	Rubber enclosure
Standard accessories	Manual, qualification certificate, warranty card, USB charger (including the data cable), belt clip, colorful packaging box (optional high-grade aluminum instrument case)
Dimension	160×70×28mm (L×W×H)
Weight	300g
Ex grade	Ex ia IIC T6 Ga Intrinsically safe type
Ingress protection	IP65

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