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Пермь (342)205-81-47

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Чита (3022)38-34-83
Якутск (4112)23-90-97
Ярославль (4852)69-52-93

<https://zetron.nt-rt.ru/> || znc@nt-rt.ru

Zetron MS104K-S1 Personal Gas detector



Parameter

Gas Type	Harmful and toxic gas
Sampling method	Diffusion
Detection range	0-100 ppm
Resolution	0.1ppm
Accuracy	≤±3%FS or ±10% (depending on the specific sensor)
Response time	≤30s(T90)
Principle	Electrochemical principle
Unit	PPM, mg/m3, %VOL, μmol/mol
Display	Gas name, concentration unit, measured value, electricity
Alarm mode	Sound, light, vibration alarm, high and low alarm values can be set by yourself
Alarm type	Low alarm, high alarm, STEL, TWA, low battery
Power supply mode	3.6V dry battery (non-removable and rechargeable)
Explosion-proof	Grade ExiaIICT4Ga
Protection class	IP68
Working temperature	-20°C~55°C
Working humidity	0-95%RH (non-condensing)
Dimensions	90*60*33mm
Weight	125g

Zetron MS104K-S1-CH4 Disposable Personal IR CH4 Combustible Gas Detector



Parameter

Detect Gas	CH4
Sensor Type	IR sensor
Sampling Type	Diffusion
Measure range	0-100%LEL、5、50、100%Vol(Customized)
Resolution	1%LEL (Customized)
Accuracy	≤± 3% F.S.
Measurement unit	Unit free switching, unit selectable: umol/mol, ppm, mg/m3, VOL%, LEL%.
Display type	LCD
Response time	≤30s(T90)
Display content	Real-time concentration, alarm, time, storage, communication status, power, charging status, concentration unit, gas molecular formula, etc.
Working power supply	DC3.6V
Battery capacity	1600mAh energy battery, charging-free, standby time 1-2 years
Working Condition	-20 °C ~ +60 °C,10-95% RH
Communication interface	Infrared
Data storage	Standard capacity of 100,000 items; support for local view, delete or data export, storage time interval can be set arbitrarily
Interface language	Chinese or English
Explosion-proof type	Intrinsically safe Exian II CT4Ga
Protection class	IP68
Enclosure	High-strength corrosion-resistant fire-resistant polycarbonate, the whole package, anti-drop wear-resistant anti-static, effective drop resistance ≥ 5 m
Dimensions Maximum size	86×62×39mm
Gross Weight	200g
Standard accessories:	calibration adapter, operation manual, certificate of conformity, packing box

Zetron MS104K-S1-EX Disposable Personal IR EX Combustible Gas Detector



Detect Gas	EX
Sensor Type	IR sensor
Sampling Type	Diffusion
Measure range	0-100%LEL、 5、 50、 100%Vol(Customized)
Resolution	1%LEL (Customized)
Accuracy	≤± 3% F.S.
Measurement unit	Unit free switching, unit selectable: umol/mol, ppm, mg/m3, VOL%, LEL%.
Display type	LCD
Response time	≤30s(T90)
Display content	Real-time concentration, alarm, time, storage, communication status, power, charging status, concentration unit, gas molecular formula, etc.
Working power supply	DC3.6V
Battery capacity	1600mAh energy battery, charging-free, standby time 1-2 years
Working Condition	-20 °C ~ +60 °C,10-95% RH
Communication interface	Infrared
Data storage	Standard capacity of 100,000 items; support for local view, delete or data export, storage time interval can be set arbitrarily
Interface language	Chinese
	Chinese or English
Explosion-proof type	Intrinsically safe Exian II CT4Ga
Protection class	IP68
Enclosure	High-strength corrosion-resistant fire-resistant polycarbonate, the whole package, anti-drop wear-resistant anti-static, effective drop resistance ≥ 5 m
Dimensions Maximum size	86×62×39mm
Gross Weight	200g
Standard accessories:	calibration adapter, operation manual, certificate of conformity, packing box

Zetron MS104K-S1-CO2 Disposable Personal IR CO2 Carbon Dioxide Gas Detector



Detect Gas	CO2
Sensor Type	IR sensor
Sampling Type	Diffusion
Measure range	0-2000、 5000ppm、 1.5%Vol (Customized)
Resolution	0.1ppm (Customized)
Accurancy	≤± 3% F.S.
Measurement unit	Unit free switching, unit selectable: umol/mol, ppm, mg/m3, VOL%, LEL%.
Display type	LCD
Response time	≤30s(T90)
Display content	Real-time concentration, alarm, time, storage, communication status, power, charging status, concentration unit, gas molecular formula, etc.
Working power supply	DC3.6V
Battery capacity	1600mAh energy battery, charging-free, standby time 1-2 years
Working Condition	-20 °C ~ +60 °C,10-95% RH
Communication interface	Infrared
Data storage	Standard capacity of 100,000 items; support for local view, delete or data export, storage time interval can be set arbitrarily
Interface language	Chinese or English
Explosion-proof type	Intrinsically safe Exian II CT4Ga
Protection class	IP68
Enclosure	High-strength corrosion-resistant fire-resistant polycarbonate, the whole package, anti-drop wear-resistant anti-static, effective drop resistance ≥ 5 m
Dimensions Maximum size	86×62×39mm
Gross Weight	200g
Standard accessories:	calibration adapter, operation manual, certificate of conformity, packing box

Zetron MS104K-SC2 Carbon Monoxide Meter



Detection gas	Carbon monoxide CO
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Detection range	CO (0 ~ 1000ppm),Other range can be customized
Display mode	HD LCD dot matrix display, double button operation
Detection accuracy	$\leq \pm 3\%$ (F.S)
Response time	T90 $\leq$ 30s
Data storage	Standard 20,000 pieces of data capacity, Support the local view, delete or data export, storage time interval arbitrary Settings
Communication interface	Infrared communication, Optional Bluetooth, LORA communication, etc
Explosion-proof mark	Exia II CT4 Ga
Protection grade	IP65, Dustproof, Waterproof splash
Dimensions	77×68×35mm(L×W×H)
Weight	Less than 150g

Zetron MS104K-S-CO Personal CO Monitor



MS104K-S-CO Personal CO Detector

Overview

- Small size, light weight, easy to carry
 - With 1800mA rechargeable battery, standby time of 1 year, working for more than 400 hours
 - Free switching of units from ppm/LEL/VOL
 - Data recovery function
 - Support infrared, Bluetooth, LOLA, NB-IOT wireless interconnection function
- Portable Diffusion 4 Gases in 1 Detector CO H2S O2 LEL Carbon Monoxide Oxygen Combustible Multi Gas Detector
- IP65 protection Level: waterproof, dustproof, explosion-proof, shockproof, intrinsically safe circuit design, anti-static, anti-electromagnetic interference

Gases to be detected	Range	Minimum reading	Response time T90
Combustible gas (EX)	0-100%LEL	0.1%LEL	$\leq$ 10 seconds
Methane (CH4)	0-100%LEL	0.1%LEL	$\leq$ 10 seconds
Oxygen gas (O2)	0-30%Vol	0.01%Vol	$\leq$ 10 seconds
Carbon monoxide (CO)	0-100ppm	0.1ppm	$\leq$ 25 seconds
Carbon dioxide (CO2)	0-500ppm	1ppm	$\leq$ 20 seconds
Ozone (O3)	0-1ppm	0.001ppm	$\leq$ 20 seconds
Hydrogen sulfide (H2S)	0-10ppm	0.001ppm	$\leq$ 30 seconds
Sulfur dioxide (SO2)	0-10ppm	0.001ppm	$\leq$ 30 seconds
Nitric oxide (NO)	0-10ppm	0.001ppm	$\leq$ 30 seconds
Volatile gases (PID)	0-10ppm	0.001ppm	$\leq$ 30 sec

MS104K-S-CH4 Ultra-low Power Consumption Gas Meter



MS104K-S-CH4 Personal Protect Gas Detector

- Small size, light weight, easy to carry
 - With 1800mA rechargeable battery, standby time of 1 year, working for more than 400 hours
 - Free switching of units from ppm/LEL/VOL
 - Data recovery function
 - Support infrared, Bluetooth, LOLA, NB-IOT wireless interconnection function
- Portable Diffusion 4 Gases in 1 Detector CO H2S O2 LEL Carbon Monoxide Oxygen Combustible Multi Gas Detector
- IP65 protection Level: waterproof, dustproof, explosion-proof, shockproof, intrinsically safe circuit design, anti-static, anti-electromagnetic interference

Gases to be detected	Range	Minimum reading	Response time T90
Combustible gas (EX)	0-100%LEL	0.1%LEL	≤10 seconds
Methane (CH4)	0-100%LEL	0.1%LEL	≤10 seconds
Oxygen gas (O2)	0-30%Vol	0.01%Vol	≤10 seconds
Carbon monoxide (CO)	0-100ppm	0.1ppm	≤25 seconds
Carbon dioxide (CO2)	0-500ppm	1ppm	≤20 seconds
Ozone (O3)	0-1ppm	0.001ppm	≤20 seconds
Hydrogen sulfide (H2S)	0-10ppm	0.001ppm	≤30 seconds
Sulfur dioxide (SO2)	0-10ppm	0.001ppm	≤30 seconds
Nitric oxide (NO)	0-10ppm	0.001ppm	≤30 seconds
Volatile gases (PID)	0-10ppm	0.001ppm	≤30 seconds

MS104K-S-H2S Personal Protect Gas Detector



Parameter

Detection gas	Complex gas (carbon monoxide CO, hydrogen sulfide H2S, oxygen O2, flammable gas EX) or any other single gas, except individual sensors with high power consumption
Detection range	CO (0 ~ 1000ppm), H2S (0 ~ 100ppm), O2 (0 ~ 30%VOL), Ex (0 ~ 100%LEL), Other range can be customized
Display mode	HD LCD dot matrix display, double button operation

Detection accuracy	≤±3% (F.S)
Response time	T90≤30s
Data storage	Standard 20,000 pieces of data capacity, Support the local view, delete or data export, storage time interval arbitrary Settings
Communication interface	Infrared communication, Optional Bluetooth, LORA communication, etc
Explosion-proof mark	Exia II CT4 Ga
Protection grade	IP65, Dustproof, Waterproof splash
Dimensions	77×68×35mm(L×W×H)
Weight	Less than 150g

MS104K-S-SO2 Portable SO2 Gas Meter



MS104K-S-SO2 Portable Gas Detector

Overview

MS104K-S-SO2 portable gas detector can detect complex gas (carbon monoxide CO, hydrogen sulfide H₂S, oxygen O₂, flammable gas EX) or any other single gas, except individual sensors with high power consumption. It is a compact, ultra-low power consumption, mobile gas detector for rapid detection of gas concentration.

Feature

Protection level IP65, up to IP68 needs special treatment, waterproof splash, dust proof, explosion-proof, shock proof, intrinsically safe circuit design, anti-static, anti-electromagnetic interference. Small size, light weight, easy to carry.

Using 11800mAh power battery, can work for a long time, stand by time of 1 year, rechargeable.

Up to 1~4 kinds of gases can be detected at the same time, free switching of units.

Optional units: umol/mol, PPM, mg/m³, Vol%, LEL%, PPHM, PPB.

Stand by time: one year, including flammable duration: 100 hours, without flammable: 400 hours.

Support infrared, Blue tooth, LORA, NB-IOT wireless interconnection function.

MS104K-S2 Personal 4in1 Gas Detector



Parameter

Detection gas	Complex gas (carbon monoxide CO, hydrogen sulfide H ₂ S, oxygen O ₂ , flammable gas EX) or any other single gas, except individual sensors with high power consumption
Detection range	CO (0 ~ 1000ppm), H ₂ S (0 ~ 100ppm), O ₂ (0 ~ 30%VOL), Ex (0 ~

	100%LEL),Other range can be customized
Display mode	HD LCD dot matrix display, double button operation
Detection accuracy	≤±3% (F.S)
Response time	T90≤30s
Data storage	Standard 20,000 pieces of data capacity, Support the local view, delete or data export, storage time interval arbitrary Settings
Communication interface	Infrared communication, Optional Bluetooth, LORA communication, etc
Explosion-proof mark	Exia II CT4 Ga
Protection grade	IP65, Dustproof, Waterproof splash
Dimensions	77×68×35mm(L×W×H)
Weight	Less than 150g

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