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Zerton MS104K-L-MDI Portable MDI Single Gas Detector



Parameter

Detection Factor	MDI		
Detection Range	0-100、200、500、1000ppm		
Resolution	0.001ppm (0-10ppm high accuracy)/0.01ppm (0-10 ppm); 0.01ppm (0-100 ppm), 0.1ppm (0-1000 ppm), 1ppm (0-1000 ppm or more)		
Sensor Type	EC sensor		
Sensor life	2-3 years		
Measuring method	Built-in pump suction, can be switched to diffusion, diffusion + pump suction detection mode		
Display	LCD		
Display content	Real-time concentration, unit, gas name, alarm status, time, storage status, communication status, power, charging status, etc.		
Detection accuracy	Typical precision: $\leq \pm 3\%$ FS (optional higher precision sensor)	Uncertainty	$\leq \pm 2\%$
Linearity	$\leq \pm 3\%$	Repeatability	$\leq \pm 2\%$
Response time	T90 $\leq$ 20 seconds	Recovery time	$\leq$ 30 seconds
Operating power supply	DC3.7 V*2		
Battery capacity	2500mAh rechargeable polymer battery, with over-charge, over-discharge, over-voltage, short-circuit, overheating protection function.		
Environment	Temperature: -20℃~+60℃, customizable -40℃~+70℃; Relative humidity: 10-95%RH		
Communication Interface	Standard Type-C (2 hours fully charged)		
Data storage	Standard capacity of not less than 100,000 items; support for local view, delete or data export, storage time interval arbitrary settings		
Interface language	Chinese, English and other languages can be customized		
Explosion-proof type	Intrinsically safe Exia II CT4Ga		
Protection class	IP68		
Housing material	High-strength corrosion-resistant fire-resistant polycarbonate and rubber protective cover, drop-proof wear-resistant anti-static, effective drop resistance $\geq$ 5 meters		
Dimension	Maximum size 167X64X62mm(L×W×H)		

Weight	Approx. 280g
Standard accessories	Calibration cover, pump suction nozzle, manual, certificate of conformity, USB charger (including data cable), instrument packaging color box
Optional accessories	① 0.2 meters swan neck sampling probe;
	② activated carbon filter;
	③ 0.4 meters stainless steel sampling handle (including 1 meter hose);

Zerton MS104K-L-TDI Portable TDI Single Gas Detector



Parameter

Detection Factor	TDI		
Detection Range	0-20, 100、1000、5000ppm		
Resolution	0.001ppm (0-10ppm high accuracy)/0.01ppm (0-10 ppm); 0.01ppm (0-100 ppm), 0.1ppm (0-1000 ppm), 1ppm (0-1000 ppm or more)		
Sensor Type	PID sensor		
Sensor life	2-3 years		
Measuring method	Built-in pump suction, can be switched to diffusion, diffusion + pump suction detection mode		
Display	LCD		
Display content	Real-time concentration, unit, gas name, alarm status, time, storage status, communication status, power, charging status, etc.		
Detection accuracy	Typical precision: $\leq \pm 3\%$ FS (optional higher precision sensor)	Uncertainty	$\leq \pm 2\%$
Linearity	$\leq \pm 3\%$	Repeatability	$\leq \pm 2\%$
Response time	T90 $\leq$ 20 seconds	Recovery time	$\leq$ 30 seconds
Operating power supply	DC3.7 V*2		
Battery capacity	2500mAh rechargeable polymer battery, with over-charge, over-discharge, over-voltage, short-circuit, overheating protection function.		
Environment	Temperature: -20°C~+60°C, customizable -40°C~+70°C; Relative humidity: 10-95%RH		
Communication Interface	Standard Type-C (2 hours fully charged)		
Data storage	Standard capacity of not less than 100,000 items; support for local view, delete or data export, storage time interval arbitrary settings		
Interface language	Chinese, English and other languages can be customized		
Explosion-proof type	Intrinsically safe Exia II CT4Ga		
Protection class	IP68		
Housing material	High-strength corrosion-resistant fire-resistant polycarbonate and rubber protective cover, drop-proof wear-resistant anti-static, effective drop resistance $\geq$ 5 meters		
Dimension	Maximum size 167X64X62mm(L×W×H)		
Weight	Approx. 280g		
Standard accessories	Calibration cover, pump suction nozzle, manual, certificate of conformity, USB charger		

	(including data cable), instrument packaging color box
Optional accessories	① 0.2 meters swan neck sampling probe;
	② activated carbon filter;
	③ 0.4 meters stainless steel sampling handle (including 1 meter hose);

Zerton MS104K-L-THT Portable Tetrahydrothiophene Gas Detector



Parameter

Detection Factor	Tetrahydrothiophene THT		
Detection Range	0-50,100mg/m ³		
Resolution	0.1mg/m ³		
Sensor Type	Electrochemical sensor		
Sensor life	2-3 years		
Measuring method	Built-in pump suction, can be switched to diffusion, diffusion + pump suction detection mode		
Display	LCD		
Display content	Real-time concentration, unit, gas name, alarm status, time, storage status, communication status, power, charging status, etc.		
Detection accuracy	Typical precision: $\leq \pm 3\%$ FS (optional higher precision sensor)	Uncertainty	$\leq \pm 2\%$
Linearity	$\leq \pm 3\%$	Repeatability	$\leq \pm 2\%$
Response time	T ₉₀ ≤ 20 seconds	Recovery time	≤ 30 seconds
Operating power supply	DC3.7 V*2		
Battery capacity	2500mAh rechargeable polymer battery, with over-charge, over-discharge, over-voltage, short-circuit, overheating protection function.		
Environment	Temperature: -20°C~+60°C, customizable -40°C~+70°C; Relative humidity: 10-95%RH		
Communication Interface	Standard Type-C (2 hours fully charged)		
Data storage	Standard capacity of not less than 100,000 items; support for local view, delete or data export, storage time interval arbitrary settings		
Interface language	Chinese, English and other languages can be customized		
Explosion-proof type	Intrinsically safe Exia II CT4Ga		
Protection class	IP68		
Housing material	High-strength corrosion-resistant fire-resistant polycarbonate and rubber protective cover, drop-proof wear-resistant anti-static, effective drop resistance ≥ 5 meters		
Dimension	Maximum size 167X64X62mm(L×W×H)		
Weight	Approx. 280g		
Standard accessories	Calibration cover, pump suction nozzle, manual, certificate of conformity, USB charger (including data cable), instrument packaging color box		

Optional accessories	① 0.2 meters swan neck sampling probe;
	② activated carbon filter;
	③ 0.4 meters stainless steel sampling handle (including 1 meter hose);

Zerton MS104K-L-Br2 Portable Bromine Detector



Parameter

Detection Factor	Bromine Br2		
Detection Range	0-10, 20, 50ppm		
Resolution	0.001ppm (0-10ppm high accuracy)		
Sensor type	EC or IR sensor		
Sensor life	2-3 year		
Measuring method	Built-in pump suction, can be switched to diffusion, diffusion + pump suction detection mode		
Display	LCD		
Display content	Real-time concentration, unit, gas name, alarm status, time, storage status, communication status, power, charging status, etc.		
Detection accuracy	Typical precision: $\leq \pm 3\%$ FS (optional higher precision sensor)	Uncertainty	$\leq \pm 2\%$
Linearity	$\leq \pm 3\%$	Repeatability	$\leq \pm 2\%$
Response time	T90 $\leq$ 20 seconds	Recovery time	$\leq$ 30 seconds
Operating power supply	DC3.7 V*2		
Battery capacity	2500mAh rechargeable polymer battery, with over-charge, over-discharge, over-voltage, short-circuit, overheating protection function.		
Environment	Temperature: -20°C~+60°C, customizable -40°C~+70°C; Relative humidity: 10-95%RH		
Communication Interface	Standard Type-C (2 hours fully charged)		
Data storage	Standard capacity of not less than 100,000 items; support for local view, delete or data export, storage time interval arbitrary settings		
Interface language	Chinese, English and other languages can be customized		
Explosion-proof type	Intrinsically safe Exia II CT4Ga		
Protection class	IP68		
Housing material	High-strength corrosion-resistant fire-resistant polycarbonate and rubber protective cover, drop-proof wear-resistant anti-static, effective drop resistance $\geq$ 5 meters		
Dimension	Maximum size 167X64X62mm(L×W×H)		
Weight	Approx. 280g		
Standard accessories	Calibration cover, pump suction nozzle, manual, certificate of conformity, USB charger (including data cable), instrument packaging color box		
Optional accessories	① 0.2 meters swan neck sampling probe;		
	② activated carbon filter;		
	③ 0.4 meters stainless steel sampling handle (including 1 meter hose);		

Zerton MS104K-L-C2H2 Portable NDIR Acetylene Detector



Parameter

Detection Factor	Acetylene C2H2		
Detection Range	0-2%Vol, 100%LEL, 50%Vol		
Resolution	0.01%VOL		
Sensor Type	IR sensor		
Sensor life	3-5 years		
Measuring method	Built-in pump suction, can be switched to diffusion, diffusion + pump suction detection mode		
Display	LCD		
Display content	Real-time concentration, unit, gas name, alarm status, time, storage status, communication status, power, charging status, etc.		
Detection accuracy	Typical precision: $\leq \pm 3\%$ FS (optional higher precision sensor)	Uncertainty	$\leq \pm 2\%$
Linearity	$\leq \pm 3\%$	Repeatability	$\leq \pm 2\%$
Response time	T90 ≤ 20 seconds	Recovery time	≤ 30 seconds
Operating power supply	DC3.7 V*2		
Battery capacity	2500mAh rechargeable polymer battery, with over-charge, over-discharge, over-voltage, short-circuit, overheating protection function.		
Environment	Temperature: -20°C~+60°C, customizable -40°C~+70°C; Relative humidity: 10-95%RH		
Communication Interface	Standard Type-C (2 hours fully charged)		
Data storage	Standard capacity of not less than 100,000 items; support for local view, delete or data export, storage time interval arbitrary settings		
Interface language	Chinese, English and other languages can be customized		
Explosion-proof type	Intrinsically safe Exia II CT4Ga		
Protection class	IP68		
Housing material	High-strength corrosion-resistant fire-resistant polycarbonate and rubber protective cover, drop-proof wear-resistant anti-static, effective drop resistance ≥ 5 meters		
Dimension	Maximum size 167X64X62mm(L×W×H)		
Weight	Approx. 280g		
Standard accessories	Calibration cover, pump suction nozzle, manual, certificate of conformity, USB charger (including data cable), instrument packaging color box		
Optional accessories	① 0.2 meters swan neck sampling probe;		
	② activated carbon filter;		
	③ 0.4 meters stainless steel sampling handle (including 1 meter hose);		

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