

MST410

Portable multi-gas alarm detector






MST410 portable gas detector works for workers to stay away from toxic gas. It can simultaneously detect 4 kinds of gas concentrations. The detector with colorful HD screen which can display 1-4 real time gas values according to the sensor number. It has good water and dust resistance, it's compact, lightweight and easy to use, while tough enough for harsh environments and extreme temperatures. **It has built-in program to reach many functions. The user only uses key combinations to operate without additional PC applications.** MST410 gas detector is widely used in ferrous metallurgy, petrochemical, emergency rescue, chemical production to improve life safety.

Features and benefits

- Up to 4 kinds of gas can be customized
- It supports data storage, events storage
- Unit switchable, ppm, LEL%, vol%, mg/m3
- Automatic zeroing calibrate
- With temperature compensation
- Calibration days countdown reminder
- A display that can be reversed
- More than 2 years sensor life, more than 5 years main body life
- Intelligent sensor, plug and play, no calibration required, easy maintenance
- All function self-test, failure reminder (including sensor fault detection)
- Sound, light and vibration alarm, Adjustable alarm threshold
- Fall alarm
- Rechargeable lithium- ion polymer batteries
- Temperature and time display

Specifications and configuration

Sensor principle	Electrochemical, Infrared, Catalytic oxidation, Galvanic cell and PID
Sampling method	Diffusion
Carried standard	GB12358-2006
Working temp.	-20°C~55°C
Working humidity	15%~95%, noncondensing
Screen	Colorful TFT LCD
Display content	Gas symbol, Gas unit, Real-time value, Battery indicator, Calibration information, Temperature, Time
Alarm signal	95dB/30cm buzzer / red and yellow LEDs flash / built-in vibration
Alarm model	High Alarm / Low Alarm / TWA / STEL / Overrange / Low battery / Fall alarm / SOS alarm
Alarm settings	Users can adjust the alarm threshold according to requirements
Calibration	Auto-zeroing / Zeroing / Full scale calibration
Battery	Polymer lithium-ion rechargeable battery, full charge working more than 20 hours
Battery Parameter	Rated voltage 3.7V / Capacity 3000mAh
Charging temp.	0°C~40°C
Working current	Normal working current: ≤100mA Alarm current: ≤240mA
IP Grade	IP-66

Safety Certifications	 Ex ib IIC T4 Gb  II 1G Ex ia IIC T4 Ga  2014/30/EU (Electromagnetic Compatibility)
Shell Material	ABS, PC, anti-static TPE
Size	130mm×74mm×37mm (without crocodile clip)
Weight	About 330g
Warranty	1 Year after sale (including sensors)

Sensor Parameter

Gas	Principle	Range	Resolution	Accuracy	Low Alarm	High Alarm	STEL	TWA
CO	Elec-chem	0~1000ppm	1ppm	±10%	35 ppm	200 ppm	200 ppm	35 ppm
H2S	Elec-chem	0~100ppm	1ppm	±10%	10 ppm	15 ppm	15 ppm	10 ppm
SO2	Elec-chem	0~100ppm	0.1ppm	±10%	2 ppm	5 ppm	5 ppm	2 ppm
NH3	Elec-chem	0~100ppm	1ppm	±10%	25ppm	50 ppm	30 ppm	25 ppm
CL2	Elec-chem	0~10ppm	0.1ppm	±10%	0.5 ppm	1 ppm	1 ppm	0.5 ppm
HCN	Elec-chem	0~50ppm	0.1ppm	±10%	4.7 ppm	10 ppm	10 ppm	4.7 ppm
HCL	Elec-chem	0~20ppm	0.1ppm	±20%	4.6 ppm	9.2 ppm	9.2 ppm	4.6 ppm
Benzene	PID	0~50ppm	0.1ppm	±10%fs	3.5ppm	7 ppm	7 ppm	3.5 ppm
NO2	Elec-chem	0~100ppm	0.1ppm	±10%	3 ppm	5 ppm	5 ppm	3 ppm
CO2	NDIR	0~5.00%vol	0.005%vol	±5%fs	0.5%vol	1%vol	— —	— —
EX	Catalytic	0~100%LEL	1%LEL	±5%fs	25%LEL	50%LEL	— —	— —
H2	Elec-chem	0~1000ppm	1ppm	±10%	100 ppm	500 ppm	500 ppm	100 ppm
O2	Galvanic	0~30.0%vol	0.1%vol	±3%fs	19.5%vol	23.5%vol	— —	— —

Note: Please contact the manufacturer for confirmation before ordering. Other detection gases, range and alarm concentration can be customized if not listed.

** Due to ongoing research and product improvement, specifications are subject to change without notice.*

Accessories

Operation manual, calibration cover, charger, Calibration certificate.