Portable Gas Detectors

BX616 Portable Multi-gas Detector

BX616 is a united gas detector measuring four (4) major gases, which result the most of the industrial accidents, to protect the disasters caused by the O2 deficiency, toxic gas poisoning and combustible gas explosion. It measures continuously four gases O2, CO, H2S and combustible gas (CH4), and displays their concentrations. Once the risk occurs, it also raises the alarm (visual, audible and vibrative).



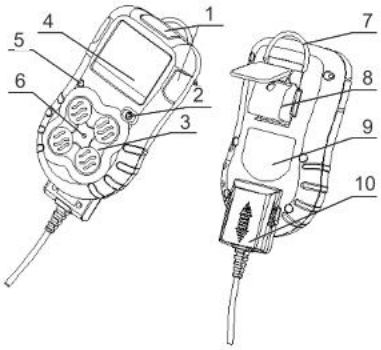
FEATURES

- Small size and light-weight
- Simple operation with only 1 button
- Adjustable alarm levels and span calibration value
- STEL and TWA alarm for toxic gases
- Self-protection for combustible gas sensor against high concentration
- Battery low voltage alert
- Confidence beep
- Self-test after power on
- Self-diagnostic and self-correction function

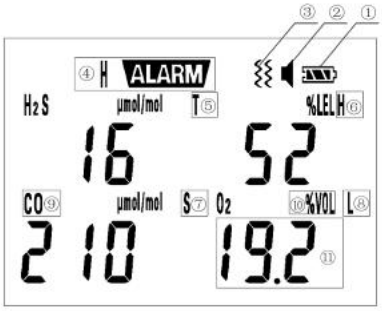
APPLICATION

Steelworks, petrochemical plant, oil industry, shipbuilding yard, sewage treatment plant, mine, power supply works, confined spaces etc.

APPEARANCE



1	Alarm indicator
2	Button
3	Sensor channel
4	Display screen
5	Buzzer
6	Calibration cap fasten hole
7	Hand strap
8	alligator clip
9	Label
10	Charging/ communication port



①	Battery voltage indication
②	Sound indication
③	Vibration indication
④	Alarm indication
⑤	TWA alarm indication
⑥	High alarm indication
⑦	STEL alarm indication
⑧	Low alarm indication
⑨	Gas name
⑩	Unit
⑪	Gas concentration

SPECIFICATIONS

Measuring gas	O2	CO	H2S	Combustible
Measuring range	0-25%VOL	0-500ppm	0-100ppm	0-100%LEL
Sensor type	Electrochemical			Catalytic

Measuring type	Diffuse naturally	Working temperature	Toxic gases: -20℃ ~ 50℃ Combustible: -40℃ ~ 70℃
Response time	T_{90}<30s		
Display	LCD screen	Housing	Rubber enclosure
Audible	≥85dB at 1m	Standard accessories	Operation manual, calibration cap, charger, screwdriver, USB cable
Alarm method	Visual, audible and vibrative signals		
Power supply	DC3.7V 1800mAh Lithium battery	Dimension & weight	120×68×30mm, about 220g
Operating time	≥8h per charge (Charging time: 4-6h)	Ingress protection IP	IP66
Event log	2000 events	Ex grade	Ⓔx II 2G Ex ia IIC T4 Ga or II 2G Ex db ia IIC T4 Gb
Humidity	<95%RH (no condensation)		

Note: For detecting other gases, please refer to our gas list.