

Mini Portable Gas Detector

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BZ100

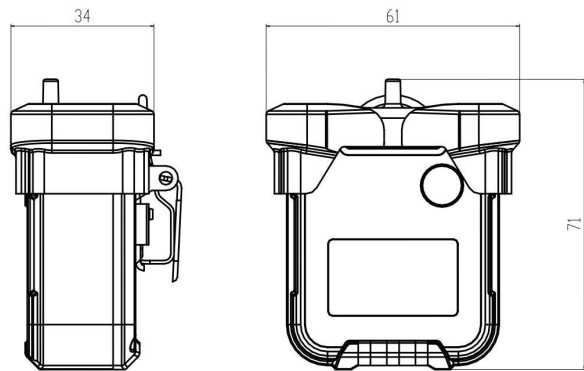
FEATURES

- The smallest gas detector from China (palm size)
- Disposable type, battery can work for at least 2 years
- With lifespan indication function, support data & log exporting
- ATEX and IECEx approved
- IP66 design, suitable for use in harsh environments such as rain, snow, dust etc.

APPLICATION

BZ100 is mainly used for personal safety monitoring in working environments such as petroleum, chemical industry, metallurgy, mines or underground pipelines, tunnels, etc. It is the first mini portable disposable single gas detector in China with ultra low-consumption, compact and lightweight design. Measuring gases include H₂S, CO and O₂ only.

APPEARANCE (with calibration cap)



WEARING METHODS



SPECIFICATIONS

Measurement	Diffuse naturally			Sensor type	Electrochemical sensor
Response time	T90 < 30s			Approval	ATEX: II 1 G Ex ia IIC T4 Ga
Power supply	Lithium battery, DC3.6V 1200mAh				IECEx: Ex ia IIC T4 Ga
Lifespan	2 years (2 minutes of alarm per day)			Ingress protection	≥IP66
Alarm signal	Audible, visual, and vibrative			Alarm sound	90dB @10cm
Ambient temp.	-20°C ~ 50°C			Humidity	<95%RH (no condensation)
Event log	Recent 200 alarms			Housing material	Rubber
Dimension	61.5mmx52.8mmx27mm (no calibration cap)			Weight	About 85g (with battery and clip)
Indication method	LCD screen: displays the real-time data and states				
	LED indicators: different color shows different states of the detector				
	Backlight: illuminates on command or alarm status in low light				
Sensor specification	Gas	Detection range	Low alarm	High alarm	Indicative error
	CO	0-500ppm	35ppm	70ppm	Absolute: ±5ppm, Relative: ± 10%
	H ₂ S	0-100ppm	6ppm	12ppm	Absolute: ±2ppm, Relative: ±10%
	O ₂	0-25%VOL	19.5%VOL	23.5%VOL	± 2%FS



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