EST-BZ100 Portable gas Detector

The smallest detector from China (palm size)
2-year disposable gas detector
Sensor type: Electrochemical sensor
Alarm signal: Audible, visual, and vibrative
Alarm sound: 90dB @10cm

Description

EST-BZ100 is an intrinsically safe disposable gas detector that can continuously detect the concentration of CO, H2S or O2 in the ambient air. It's the first mini portable gas detector in China with ultra-low-consumption, compact and lightweight design.

Features

The smallest detector from China (palm size)

2-year disposable gas detector

Low-consumption 16-bit MCU to ensure long battery life

Wide viewing-angle graphic LCD display

Configurable high and low alarm points, two levels of alarm

Battery low voltage alert

Automatic calibration to reduce detection error

Audible, visual, and vibrative alarming signals

Data upload function (Bluetooth)

STEL and TWA alarms for toxic gases

Automatic self-test function after power-on

ATEX and IECEx approved

Application

Petroleum, chemical industry, metallurgy, mines or underground pipelines, tunnels etc.

Specifications

Detection method	Diffuse naturally
Sensor type	Electrochemical sensor
Display deviation	CO: Absolute: ±5 ppm, Relative:±10% H2S: Absolute: ±2 ppm, Relative: ±10% O2: ±2%F.S.
Alarm signal	Audible, visual, and vibrative
Alarm sound	90dB @10cm
Communication method	Wireless (infrared communication with host computer)
Featured functions:	Parameter setting, log storage and export functions
Indication method	LCD screen: show real-time data and system status. Backlight: illuminates on command or alarm status in low light.
Ambient condition	Temperature: -20℃～50℃ Humidity: ＜95%RH (no condensation) Pressure: 90-110Kpa
Power source	Lithium battery DC3.6V, 1200mAh
Sensor lifespan	2 years (2 minutes of alarm per day)
Ingress protection	≥IP66
Approval	ATEX II 1G Ex ia Ⅱ C T4 Ga IECEx Ex ia IIC T4 Ga
Explosion-proof type	Intrinsically safe
Dimension	61.5*52.8*27mm
Weight	About 85g