

# SS CONTROLS

## PORTABLE GAS DETECTOR

### BZ100 SINGLE GAS DETECTOR

BZ100 is an intrinsically safe disposable gas detector that can continuously detect the concentration of CO, H<sub>2</sub>S or O<sub>2</sub> in the ambient air. It is a mini portable gas detector with ultra-low battery consumption and has a compact and lightweight design.

**FEATURES-** Small Pocket Size Gas Detector, 2 Year Life Span, Disposable, Wide Viewing Angle LCD Display, Configurable Alarm Levels, Automatic Calibration, Data Uploading.

**APPLICATIONS-** Petroleum, oil & gas, power plants, chemical industry, metallurgy, mining, production, drilling, refinery, sewage treatment, labs, confined spaces, underground pipelines & tunnels.



### SELECTION OF GASES

Hydrogen Gas, Carbon Monoxide, Oxygen, Hydrogen Sulphide, Ammonia Gas, Chlorine Gas, Carbon Dioxide, Nitric Oxide, Nitrogen Dioxide, Phosphine Gas, Sulphur Dioxide, Hydrogen Fluoride, Hydrogen Chloride, Hydrogen Cyanide, Ethylene Oxide, VOCs, LPG Gas & Other Flammable Gases.

### SPECIFICATIONS

Detection method	Diffuse naturally
Sensor type	Electrochemical sensor
Display deviation	CO: Absolute: ±5 ppm, Relative: ±10% H <sub>2</sub> S: Absolute: ±2 ppm, Relative: ±10% O <sub>2</sub> : ±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°C~50°C 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, IIC T4 Ga IECEx Ex ia, IIC T4 Ga
Explosion-proof type	Intrinsically safe
Dimension	61.5*52.8*27mm
Weight	About 85g

Plot 17973 Hamtsukunu Rd, Gaborone West Industrial

SS Controls Botswana

sscontrols\_bw

info@sscontrols.co.bw

+267 311 1937/ 7370 3030



**SS CONTROLS**  
**BOTSWANA**  
The Safety Of Things