

# Smart Safety Ball

S2B-300



Portable smart gas detector  
Protecting you from suffocation  
Anytime, anywhere



## Overview

### Distinct Advantages

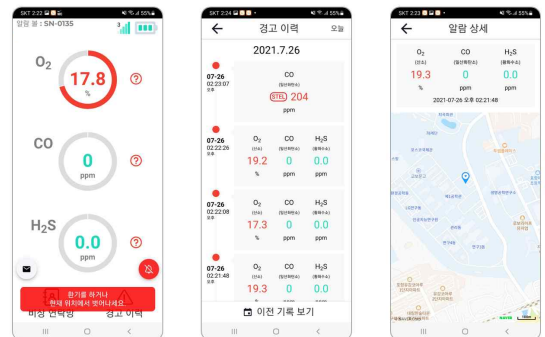
- **Always on** : Continuous operation for 2 years
- **Portable** : Compact and Light, Ball shape
- **IoT** : BLE(Bluetooth low energy) communication
- **Disposable** : Unnecessary to replace sensors or batteries(2years)

### Features and Benefits

- Easy to carry
  - ball shape(rollable before entering)
  - a hook and magnet included
  - very small and light
- Simple to use
  - just "Button on" to use
  - no need to charge or replace batteries
- Dedicated App(Android, IOS) to check
  - simple and intuitive interface
  - real time display of gas concentration
  - contact list for text messages in emergency
  - alarm histories(time, concentration, position)
  - replacement time notification for sensors and batteries
  - provision of various information about devices and usages
- Quick response to accidents in emergency
  - Immediate situation sharing with co-workers



[Smart Safety Ball and Application]



[Dedicated App.(can be modified)]

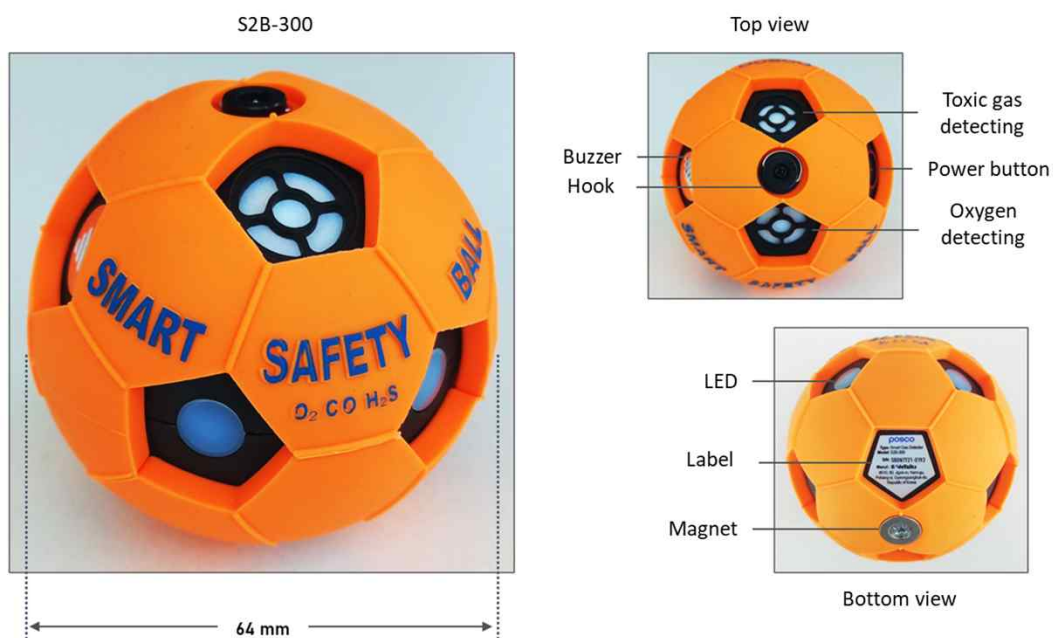


Model	Detecting Gases
S2B-300	Oxygen(O <sub>2</sub> )/Carbon monoxide (CO)/Hydrogen Sulfide (H <sub>2</sub> S)

**S2B-300 Specification**

Detecting Gases	Oxygen(O <sub>2</sub> )	Carbon monoxide (CO)	Hydrogen Sulfide(H <sub>2</sub> S)
Detection Range	0 ~ 25.0 % vol.	0 ~ 500 ppm	0 ~ 100 ppm
Lifetime(year)*	2		
Response Time(T90)	30s	30s	30s
Resolution	0.1 %	1 ppm	0.1 ppm
Sensor Type	Electrochemical		
Detection Type	Diffusion		
Audible Alarm	80 dB (at 10 cm)		
Visual Alarm	High brightness LED (RGB)		
Battery	3.6V Li		
Operating Temperature	-20 ~ +50 °C		
Operating Humidity	10 ~ 90% RH (without condensation)		
Explosion-proof	Ex ia IIC T4 Ga IP67		
Dimension	64mm (Ø)		
Weight	100g (battery included)		

(\*) Continuous operation assuming 2 minutes alarm per day after device activation



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