SGT
Disposable Single Gas Detector

CE | Ex | IECEx | CSA | cULus | INMETRO | KCs

DESCRIPTION

SGT is a single disposable detector. It operates continuously for two years even without the replacement of the battery or gas sensor in order to protect workers from oxygen deficiency or toxic gases. It measures a gas continuously and displays its concentration and raises an alarm when a risk occurs.

KEY FEATURE

- Disposable type (No sensor or battery change)
- Operates continuously for two years
- Excellent water / dust proof structure
- Automatic checking of the sensor trouble
- High performance audible and vibrating alarm
- Automatic logging of 30EA events
- Easy configuration and data management through IR link
- Easy calibration through Docking Station

SPECIFICATION

Model	SGT
Sensor Type	Electrochmical
Measuring Type	Diffusion Type
Case Material	Rubber Enclosure
Dimension	54(W) x 91(H) x 32(D)mm
Weight	93g(Toxic), 104g(O2) / Battery, Clip included
Operating Temperature	-40℃~+50℃(Toxic), -35℃~+50℃(O2)
Operating Humidity	5%~95% RH (Non-condensing)
Operating Life	24 months, Based on 2minutes of alarm per day
Event Log	Recent 30 alarms
IP	IP 67
Alarm	Red Flashing LEDs (Light-Emitting Diode), 90dB audible alarm at a distance of 10cm, Vibration alarm
Display	Liquid Crystal Display (LCD)
Battery	Manufacture : Vitzrocell, P/N : SB-AA02(P), System : Lithium Primary Battery, Nominal voltage : 3.6V, Nominal capacity : 1.2Ah
Components	Calibration Cap, Manual, Calibration and Quality report
Certification	ATEX — Il 1 G Ex ia IIC T4 Ga CSA&UL — Class 1, Zone 0, ex ia llC T4 Ga IECEx — Ex ia llC T4 Ga INMETRO — Ex ia llC T4 Ga

SENSOR SPECIFICATION

Gas	Measuring Range	Low Alarm	High Alarm
O2	0~30% Vol	19% Vol	23% Vol
CO	0~500ppm	30ppm	60ppm
H2S	0~100ppm	10ppm	15ppm
H2	0~1000ppm	100ppm	500ppm
SO2	0~50ppm	2ppm	5ppm
NH3	0~100ppm	25ppm	35ppm
NO2	0~20ppm	3ppm	5ppm

ACCESSORIES

IR Link Communication
Connects to the computer in order to program configuration and download data log

Sampling Pump
(SP-Pump101)

Extension Probe
5m / 10m

SGT Docking Station