



## Carbon Dioxide Gas Detector (CO2)

**SPR-727**



Application:  
Worksites in petroleum, chemical, environmental protection, metallurgy and other industries

### 1. General Specifications

SPR-727 portable Carbon Dioxide gas detector is widely used in the area where explosion-proof is required or toxic gas leaks, like petroleum, chemical, environmental protection, metallurgy, refining, gas transmission and distribution, production chemical medicine, agriculture and other industries, so as to protect the workers' life and avoid damage on the relevant equipment. The shell is made of high-strength engineering plastics and composite anti-skid rubber. Waterproof, dust-proof, and explosion-proof.

### 2. Features

1. Smart, firm, portable and can be used as fixed device.
2. High accuracy.
3. Compact size and light weight.
4. Waterproof, dust-proof, and explosion-proof.
5. Audible, visible and vibrating alarms.
6. High and low alarm point.
7. Friendly and easy to use.
8. Battery type: DC3.7V Li-on, 1500mAh.
9. Rechargeable battery.
10. Low maintenance cost, plug-in type sensors and battery.
11. Accessories:
  - Suit case packaging
  - Gas detector
  - Charger
  - User manual
  - Certificate
  - Calibration cap
  - Communications cable

### 3. Technical Specifications

Range	0-5%VOL
Resolution	0.1%vol
Accuracy	±5% F.S.
Alarm Point	Low: 1000ppm High: 2000ppm
Response Time	T90<30s
Indication	LCD displays real-time & system status; LED, audio & vibration alert for gas leakage, fault & low battery
Working Environment	-10°C~50°C, <95%RH
Gas Sensor Life	2 years (Depends on the specific usage environment)
Protection Grade	IP67
Explosion-Proof Grade	Ex ib IIB T3 Gb
Power Source	DC3.7V Li-on battery, 1500mAh
Charging Time	4-6h
Working time	≥ 8h continuously (without alarming)
Dimensions	109mm × 60mm × 30mm
Weight	130g

