Multi Portable Gas Detector and Dust Particle Detector

CO, SO2, NO2, H2S, PM10, PM2.5, PM1.0, PM0.3

SPR-712

Applications:
The Portable multi gas detector with the common applications include chemical industry, petroleum, gas station, metallurgy, agriculture, biology pharmaceuticals, power, lab research and other industry environment where need to inspect combustible or toxic gas concentration.

1. General Specifications

Spartna SPR-712 it can measure Dust Particle Detector, Sulfur dioxide (SO2) , Nitrogen dioxide (NO2), Hydrogen sulfide (H2S), Carbon monoxide (CO) detection, air temperature and relative humidity. It has many functions. With it is possible to determine the number of particles in the size of 0.3, 1.0, 2.5 and 10 μm. It is the ideal instrument for environmental safety and energy-saving surveys.

2. Features

1. Semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.
2. 3.5 inch IPS industrial grade color screen.
3. Gas concentration unit available for %LEL, PPM, %VOL, mg/m3.
4. For 1~5 gas detecting, gas type all be customized, supporting the PM2.5 particle counter sensor, and humidity sensor , etc.
5. Internal sampling pump for suction, the suction strength is adjustable in different level.
6. Explosion proof grade is Exia II CT4.
7. Inspect the gas concentration and alarm when it reaches preset alarm level.
8. With auto-test and data recover function.
9. One-key operation to restore to factory default setting.
10. Temperature and pressure compensation.
11. Adjustable two-stage audible-visual alarm threshold value.
12. Powered by rechargeable lithium battery with big capacity.
13. Working under the micro negative pressure is available.
14. Overload protection, over charge protection, anti static interference, anti magnetic interference, etc.
15. Accessories: Particle filter, box, instruction, USB charger , data line and calibration cap.

3. Technical Specifications

Gas Type	CO, SO2, NO2, H2S, PM10, PM2.5, PM1.0, PM0.3
Working Principle	Electrochemical sensor for Gases Laser sensor for PM
Measuring Range	NO2: 0~20ppm; SO2: 0~20ppm; CO: 0~1000ppm; H2S: 0~100ppm; PM:0~999ug/m3
Resolution	NO2: 0.1ppm; SO2: 0.1ppm; CO: 0.1ppm; H2S: 0.1ppm, PM: 1ug/m3
Accuracy	±3%F.S (or customized)
Temp. & Humidity Range	Temperature: -40~60°C; Humidity: 0~100% RH
Data Storage Function	With the capacity of the 100000 group of measuring data, by the software could be transmitted to the computer
Response Time	≤20s (T90)
Recovery Time	≤20s
Repeatability and Linearity	≤±1%
Alarm Mode	Audible, visual, vibration
Display	LCD display the Date, time, Temp.& humidity, Gas concentration data, unit, status for the pump, alarm and battery
Working Temperature	-30~60°C
Working Humidity	0-95%RH(non-condensing)
Working Pressure	70Kpa ~ 200Kpa
Explosion-proof Grade	Ex ia IIC T4 Ga
Protection Grade	IP65
Shell Material	ABS+PC
Dimensions	220 x 88 x 55 mm
Weight	0.5 kg