Introduction

OC-903 Portable Carbon Dioxide CO2 gas detector

Description:

OC-903 portable Carbon Dioxide CO2 gas detector with the famous brand Infrared sensor for CO2 gas inspection, with the inner pump 内部泵 and the data logger function, optional sensor for the temperature and humidity measurement.

Features:

Semiconductor technology of ultra low power 32 bit microprocessor, 24 bit ADC acquisition chip, so with the high accuracy.

2.4 inch IPS industrial grade color screen.

Support English language menu.

The gas concentration unit support for the ppm, mg/m3, %vol.

For 1~4 gas detection, supporting single gas, two gas, three gas and four gas inspection.

With the inner pump and the suction strength is adjustable in different level.

Explosion proof grade of Ex ia IIC T4 Ga.

Function:

Inspect the gas concentration and alarm when it up to the preset alarm level.

With auto-test and data recover function.

One-key operation to restore to factory default setting.

Temperature and pressure compensation function.

Adjustable two stage audible-visual alarm threshold value.

Powered by rechargeable lithium battery with big capacity.

Working under the micro negative pressure is available.

Overload protection, over charge protection, anti static interference, anti magnetic interference, etc.

Technical specifications:

Gas type	Carbon Dioxide(CO2)
Working principle	Infrared sensor
Measuring range	0~5000ppm, 0~30000ppm, 0~50000ppm, 0~20%vol, 0~50%vol, 0~100%vol,or customized
Resolution	1ppm or 0.01%vol
Precision	≤±2%F.S
Sampling method	Pump-suction sampling, flow rate of 100~1000mL/min.(Adjustable)
Data logger function	About 100,000 group of data capacity.
Response time	≤20s/10s
Recovery time	≤20s
Repeatability	≤±1%
Linearity	≤±1%
Zero drift	≤±1%(F.S/year)
Display	Gas type, concentration unit, value, Time, Temperature, Humidity, pump and battery status
Concentration unit	%vol, mg/m3, ppm
Working environment	Working temperature: -30~60 degree; Working humidity: 0~95%RH (non-condensing); Working pressure: -30Kpa~100Kpa.
Explosion-proof Grade	Ex ia IIC T4 Ga
Protection grade	IP65
Alarm mode	Audible-visual-vibration alarm
Dimension	180m'm
Weight	500g
Accessory	Box, Instruction, USB charger, Data line, Calibration cap, CD

Applications:

The portable Carbon Dioxide CO2 gas detector used in the gas safety inspection and alarm for industrial scene, such as petroleum refinery, chemical plants, LPG stations, boiler rooms, gas stations, paint spray booths, metallurgy, mining, fire, environmental protection, etc., where need to inspect the CO2 gas concentration.