

Portable Gas Detector Model CS-2000



*High accuracy & Reliable
Comprehensive functions
Multi gases measurement*

CS – 2000

CS-2000 series gas detector is a kind of fast response and high accuracy gas measurement device. With internal sampling pump, fast sampling speed and high flow rate, ensuring the response time of the detector. Unique design, small size and easy to carry with . Special high intensity engineering plastics housing, suitable for different kinds of situation and environment. We dedicate to provide you the most reliable, accurate and the safest solution of gas detection.

Features

Product advantages

- Employing original imported first-class brand sensor.
- (optional) High speed data transmission by USB, which can download and print data.
- The instrument has a fast zeroing time, taking only 30 minutes from air (2 0.93% vol) to 150ppm
- LCD dot matrix display, the gas type, unit, concentration, local time can be showed on the screen.
- Support Chinese and English operation, easy to shift.
- The gas concentration unit PPM and mg/m³ can be shifted quickly.
- Built-in micro sampling pump, 10 grades of suction are available.
- Explosion-proof certification, explosion-proof grade: Ex ia IIC T4 Ga

Functions

- Monitor the specified gas concentration in environment and enclosed space and alarm.
- With Self-calibration and zero calibration functions, makes the detection more accurate and reliable.
- One press to restore factory setting, free from the bother of mis-operation
- With temperature and pressure compensation, this is able to realize gas concentration compensation under conditions of different temperatures or pressures.
- Two-stage alarm with sound and light, alarm point is settable.
- Rechargeable lithium polymer battery of large capacity.
- Employing pumping sampling method and the pumping suction is adjustable.
- Special engineering plastic housing of high intensity, anti-skip ping, water-proof, dust-proof, explosion-proof.
- Elegant and exquisite aluminum alloy suitcase CS-2000 trace oxygen detector

Product Specification:

Sampling	With internal sampling pump, flow rate is up to 1L/min
Data logging	Data logging with adjustable interval, and available for data downloading to PC through USB cable.
Precision	≤±2%F.S.
Response Time	T90<30S (25°C)
Indication error	50ppm-1000ppm, ±5%FS ; 50ppm-5000ppm, ±3%FS ; 50ppm-10000ppm, ±2%FS
Signal Output (optional function)	High-speed data transmission by USB, available for data downloading and printing
Temperature	-20°C~50°C
Humidity	0-90%RH (non-condensing)
Explosion-Proof	Ex ia II CT4
Degree of protection	IP66
Alarm	Sound, light, vibration
Operating time	100h (pump off)
Dimensions	205*75*32mm
Weight	300g
Instrument lifespan	Sensors for 2-3 years, instruments for no less than 5 years

CS – 2000

The CS-2000 is available in full-range of gases:

Gas	Range	Other available range	Resolution
CO	0-1000ppm	0-100ppm, 0-500ppm, 0-2000ppm, 0-5000ppm, 0-10000ppm	0.1ppm, 1ppm
H2S	0-100ppm	0-10ppm, 0-50ppm, 0-500ppm, 0-1000ppm, 0-10000ppm	0.01, 0.1, 1ppm
O2	0-30%VOL	0-5%VOL, 0-25%VOL, 0-50%VOL, 0-100%VOL	0.01%VOL
EX / CH4	0-100%LEL	0-100%VOL	1%LEL, 0.01%VOL
N2	0-100%VOL		0.01%VOL
NH3	0-100ppm	0-50ppm, 0-500ppm, 0-1000ppm, 0-5000ppm	0.01, 0.1, 1ppm
CL2	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm, 0-200ppm, 0-500ppm	0.01, 0.1ppm
H2	0-1000ppm	0-100%LEL, 0-2000ppm, 0-10000ppm, 0-40000ppm, 0-4%VOL	1%LEL, 1ppm
CH20	0-10ppm	0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm	0.01, 0.1, 1ppm
O3	0-50ppm	0-1ppm, 0-10ppm, 0-20ppm, 0-100ppm, 0-500ppm, 0-1000ppm	0.01, 0.1, 1ppm
CO2	0-5000ppm	0-2000ppm, 0-10000ppm, 0-20000ppm, 0-50000ppm, 0-5%VOL, 0-10%VOL, 0-50%VOL, 0-100%VOL	1ppm, 0.01%vol
NO	0-100ppm	0-20ppm, 0-50ppm, 0-500ppm, 0-1000ppm, 0-4000ppm	0.01, 0.1, 1ppm
NO2	0-20ppm	0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-4000ppm	0.01, 0.1, 1ppm
NOX	0-20ppm	0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-4000ppm	0.01, 0.1, 1ppm
SO2	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-2000ppm	0.01, 0.1, 1ppm
PH3	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-5000ppm	0.01, 0.1, 1ppm
HCL	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm	0.01ppm
HCN	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm	0.01ppm
COCL2	0-1ppm		0.01ppm
CLO2	0-10ppm	0-20ppm, 0-50ppm, 0-100ppm	0.01ppm
SiH4	0-10ppm	0-50ppm	0.01ppm
F2	0-10ppm	0-1ppm	0.01ppm
HF	0-10ppm		0.01ppm
HBr	0-10ppm	0-50ppm, 0-100ppm	0.01ppm
H2O2	0-100ppm	0-500ppm, 0-1000ppm, 0-2000ppm	0.01, 0.1, 1ppm
B2H6	0-5ppm	0-10ppm	0.01ppm
AsH3	0-1ppm	0-10ppm, 0-50ppm	0.01ppm
GeH4	0-1ppm		0.01ppm
Br2	0-5ppm	0-10ppm, 0-50ppm	0.01ppm
C2H2	0-100ppm	0-2.3%VOL	0.01ppm, 0.01%VOL
C2H4	0-10ppm	0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 2.4%VOL	0.01, 0.1, 1ppm, 0.01%VOL
CH3OH	0-100ppm	0-50ppm, 0-500ppm, 0-1000ppm	0.01, 0.1, 1ppm
C2H5OH	0-100ppm	0-50ppm, 0-500ppm, 0-1000ppm	0.01, 0.1, 1ppm
C8H8	0-10ppm	0-50ppm, 0-100ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.01, 0.1, 1ppm
C4H6	0-10ppm	0-50ppm, 0-100ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.01, 0.1, 1ppm
CH3Br	0-10ppm	0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.001, 0.01, 0.1, 1ppm
C6H6	0-10ppm	0-1ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.001, 0.01, 0.1, 1ppm
C7H8	0-10ppm	0-1ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.001, 0.01, 0.1, 1ppm
C8H10	0-10ppm	0-1ppm, 0-50ppm, 0-100ppm, 0-500ppm, 0-1000ppm, 0-5000ppm, 0-10000ppm	0.001, 0.01, 0.1, 1ppm

Note: Other ranges are available upon request.

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