

## Handheld 6-in-1 gas detector

SK/MIC-800-6H-H



### Overview:

The Handheld Gas Concentration Detector allows for mobile detection of atmospheric gases such as oxygen, combustible gases, and toxic or hazardous gases. It can flexibly accommodate various types of sensors, up to a maximum of six. The primary detection mechanisms include electrochemical, infrared, catalytic combustion, thermal conductivity, and PID (Photoionization Detector). The device utilizes imported sensors along with high-speed, high-precision processing circuits, offering stable signals, high accuracy, and good repeatability. It is equipped with a built-in 5400mAh lithium battery that provides extended standby time. The device features a 3.5-inch TFT display, making content clearly visible. Core functionalities include real-time concentration display, real-time graphs, real-time alarm status, alarm threshold settings, zero-point calibration, and concentration calibration. Additionally, it has mainstream features such as historical data storage, alarm history storage, and options for data review and export.

### Specification

Working voltage: battery powered/rechargeable

Measurement gas: NOX/SO2/O3/CO/CO2/O2

Measurement range:

NOX: 0-100PPM

SO2: 0-20PPM

O3: 0-10PPM

CO: 0-1000PPM

CO2: 0-5000PPM

O2: 0-30%VOL

Resolution

0.1PPM

0.01PPM

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0.01PPM

1PPM

1PPM

0.01%VOL

Measurement accuracy:  $\pm 3\%$  F.S

Repeatability:  $\pm 1\%$  F.S

Working temperature:  $-20 \sim 50^{\circ}\text{C}$

Storage temperature:  $-20 \sim 50^{\circ}\text{C}$

Working current:  $\leq 50\text{mA}$

Usage: portable handheld

Output interface: USB

Service life: 1-3 Year

Baud rate: 9600

Detection principle: electrochemical/infrared

Response time:  $< 20\text{S}$

Working humidity: 10-95%RH, (no condensation)

Long-term drift:  $\leq \pm 1\%$  (F.S/year)

Warm-up time: 30S

Working air pressure: 86kpa-106kpa

Warranty period: 1 year

Shell material: pc

Dimensions: 230×95×65mm (L×W×H) excluding sampling tube

Output signal: USB data acquisition, 100,000 sets of information storage

Protection Rating: IP65