



Product Name	GAOTek Portable HCL Toxic Gas Monitor
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Portable HCL Toxic Gas Monitor



1. Product Overview



This series of gas detectors is a fast-response and high-accuracy gas measurement device. With an internal sampling pump, fast sampling speed, and high flow rate, ensure 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 situations and environments. We are dedicated to providing you with the most reliable, accurate, and safest gas detection solution.

2. Product Advantages

- Employing original imported first-class brand sensor.
- (optional) High-speed data transmission by USB, which can download and print data.
- LCD dot matrix display, the gas type, unit, concentration, and local time can be shown on the screen.
- Support Chinese and English operations, 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

3. Functions

- Monitor the specified gas concentration in the environment and enclosed space and alarm.

- Self-calibration and zero calibration functions, make the detection more accurate and reliable.
- One press to restore the factory setting, free from the bother of misoperation
- With temperature and pressure compensation, this can 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 the pumping sampling method and the pumping suction is adjustable.
- Special engineering plastics housing of high intensity, anti-skipping, water-proof, dust-proof, explosion-proof.
- Elegant aluminum alloy suitcase

4. Application



▲ Petrochemical & Chemical Industry



▲ Municipal Engineering & Utilities



▲ Other Industries



▲ Electronic



▲ Food & Pharmaceutical Industry



▲ Agricultural & Environmental Protection

5. Accessories & Configuration List

Standard Accessories

- Aluminum suitcase
- A charging adapter
- Instruction
- Qualification certificate



Based in New York City & Toronto, GAO Tek Inc. is ranked as one of the top 10 global B2B technology suppliers. GAO ships overnight within the U.S. & Canada & provides top-notch support thanks to its 4 decades of experience.



6. Technical Specification

Gas Detected	HCL, CL2, HCN
Detection principle	Electrochemistry
Sampling Method	Pumping suction
Measure Range	0-100 ppm
Resolution	0.01 ppm
Precision	5 % F.S.
Signal Output (optional function)	High-speed data transmission by USB, available for data downloading and printing
Response Time	≤ 10 S
Repeatability	≤ ± 1 %
Zero shift	≤ ± 1 % (F.S/year)
Operating language	Chinese/English
Temperature	-4 °F to 122 °F 20°C~50°C
Explosion-Proof	ExialICT4
Alarm mode	Sound, light, vibration
Dimensions	205 * 75 * 32mm
Recovery Time	≤ 10 S
Linearity error	≤ ± 1 %
Display	LCD dot matrix display
Gas unit	Units are switchable
Humidity	0 – 90 % RH
Degree of protection	IP66
Operating time	100h (pump off)
Weigh	0.66 lb (300g)



Normal gas types and parameters (Other gases are not listed and can be customized)

Detected gas	Measure Range	Optional ranges	Resolution	Response time
Flammable gas (EX)	0-100 % LEL	0-100 % VOL	0.1 %LEL/0.1% VOL	≤ 10 S
Oxygen (O2)	0-30 % VOL	0-25 % VOL	0.01% VOL/0.1% VOL	≤ 10 S
Carbon monoxide (CO)	0-1000 ppm	0-2000 ppm	0.1 ppm/ 1 ppm	≤ 10 S
Hydrogen sulfide (H2S)	0-100 ppm	0-1000 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Ammonia (NH3)	0-100 ppm	0-200 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Chlorine (CL2)	0-10 ppm	0-100 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Hydrogen Chloride (HCL)	0-20 ppm	0-100 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Nitric oxide (NO)	0-100 ppm	0-250 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Nitrogen dioxide (NO2)	0-20 ppm	0-100 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Formaldehyde (CH2O)	0-10 ppm	0-50 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Ozone (O3)	0-10ppm	0-100 ppm	0.01 ppm/0.1 ppm	≤ 10 S
Carbon dioxide (CO2)	0-2000 ppm	0-100 % VOL	1ppm/0.01% VOL	≤ 10 S



7. More Application

- Furniture, Floor, Wallpaper, Coating, Gardening, Interior Decoration and Renovation, Dyestuff, Papermaking, Pharmacy, Health Care, Foodstuff, Antiseptic.
- Disinfection, Chemical Fertilizer, Resin, Adhesive, Pesticide, Raw Material, Sample, Technological Process, Livestock Farm, Refuse Processing Plant, Perm Place.
- Bio-pharmaceutical Plant, Green Household, Livestock Breeding, Green House Cultivating, Warehouse Logistics, Brewing And Fermentation, Agricultural Production.