



CWA Detector



CBRN

Applications

- Anti-terrorism operations
- Border and customs control
- High-risk area reconnaissance
- Important event security
- Transportation hub protection
- On-site emergency rescue
- Military field operations
- Critical infrastructure security (e.g., power stations, chemical plants)
- Airport and seaport security checks
- Riot control and public security incidents response
- Scientific research laboratory safety monitoring
- Hazardous chemical transportation escort
- Nuclear facility perimeter protection

CWA Detector

This series of products is a handheld chemical warfare agent detection device developed based on surface acoustic wave technology, featuring light weight, small size, and a high protection rating (IP65). The device can quickly detect a variety of typical chemical warfare agents, with fast detection speed, high sensitivity, high identification accuracy, and long operating time. It is equipped with a real-time display function and supports acousto-optic, vibration, and wireless alarms. Its core module is easy to integrate into platforms such as individual

Features

- Multiple typical CWAs
 - CWA: GB Sarin
 - CWA: HD Distilled mustard
 - CWA: VX
 - CWA: GD Soman
- Fast measurement speed and high identification accuracy
- Audio, light, and vibration
- WLAN/Bluetooth network remote alarm
- Lightweight (380g)
- Miniaturized
- Handheld
- Ruggedized design
- Built-in removable 18650 lithium battery
- Continuous working time of over 12 hours
- Material: Aluminum alloy
- Wide operating temperature range: $-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$

Specifications

MODEL	RD500
GB Sarin	0.3mg/m ³ , ≤20s
HD Distilled Mustard	3mg/m ³ , ≤20s
VX	0.3mg/m ³ , ≤20s
GD Soman	0.3mg/m ³ , ≤20s
Recovery Time	≤120 seconds
Recognition Accuracy	≥90%
Weight	380g
Dimensions(mm)	100 L×80 W×40 H
Temperature Range	Operation: -40°C to $+60^{\circ}\text{C}$; Storage: -45°C to $+70^{\circ}\text{C}$
Alarm Modes	Audio/light/vibration/WLAN/Bluetooth
Ingress Protection	IP65
Power Supply	18650 battery or Type-C
Power Consumption	≤1W
Battery Life	Up to 12 hours
Sensing Technology	Surface acoustic wave

