



Chemical & Biological Monitoring & Detection

AP4C-VB

- Chemical and biological monitoring and detection unit for Armoured Vehicles
Chemical Warfare Agents
Toxic Industrial Materials
Biological Warfare Agents



AP4C-VB is a flame spectrometer allowing an easy, reliable and false-alarm-free alarm and control detection of chemical warfare agents, toxic industrial materials and biological warfare agents.

AP4C-VB has been designed for an easy installation outside a vehicle (contamination and detection remain outside the vehicle), for a real time monitoring of toxic gas and biological agents concentration and alarm the user.

Alarms and measurements are fully automatic and require no action from vehicle crew at any moment. AP4C-VB can easily be connected to the central control system of a vehicle and be adapted to any customer software.

Biological Detection

Selective sampling (particles from 2 to 10 microns) Chemical analysis of each particle (flame spectrometry)
Short response time: max 1 minute (threshold level), commonly 10 to 15 seconds.

Chemical Detection

The widest range of detected products AP4C-VB can detect all nerve agents, all blister agents, all blood agents, all NTA (Non-Traditional Agents), the complete list of schedule 1 Chemical Warfare Agents as defined by International Organizations, and numerous toxic industrial agents in addition to choking agents such as ammonia.

Short response time: 2 seconds.

Alarm data available: light and sound signal. data can be transferred to either remote control box or central system.

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CBRNe^{er}getics Ltd



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Designed to withstand the harsh environment of military vehicle, AP4C-VB runs continuously and does not require any protection to fulfil its mission.

Extremely reliable, AP4C-VB has the highest user availability rate on the market. An annual check is the only required maintenance option.

Thanks to its unique technology, AP4C-VB has the shortest recovery time. Even after exposure to high concentration, AP4C-VB is ready for another detection after some seconds.



Maintenance

Storage period: no maintenance required

Use Period: check up once a year

Characteristics (mm, kg)

Length	Width	Height	Weight
335 mm	170 mm	223 mm	4 kg

Electrical Characteristics

Main supply: 12-28 V DC