

AP4C-FB

24/7 Chemical & Biological
Detection System

by **Proengin**



EXCELLENCE IN CBRN THREAT MANAGEMENT

The AP4C-FB is a chemical detector for gas and aerosol that provides continuous 24/7 monitoring for land or naval assets. Both chemical and biological detection takes place simultaneously. Therefore, there is no need to switch between the biological and chemical mode as the two in one sensor is designed to monitor all threats at the same time. This combined design results in lower procurement costs and less system complexity.

It can detect a broad range of conventional and unconventional threats such as chemical warfare agent, toxic industrial material, non-traditional agent (e.g. Novichok), virus, bacteria, and spore.

Alarm and sampling is fully automatic and requires no action from the operator.



KEY FEATURES

- Combined chem-bio detection
- 24/7 continuous detection
- Quick response time
- No library / No filters
- External & airtight sampling
- Flexible & easy integration
- Performs under harsh conditions (dust, humidity, temperature)

APPLICATION

- Land and naval platform
- Capital ship
- Fireboat
- Strategic site
- Critical infrastructure
- Transportation hub
- Mass transit

DETECTION

- All nerve agents
- All blister agents
- All blood agents
- All NTA such as Novichok
- Choking agents
- Numerous toxic industrials
- Virus
- Bacteria
- Spore



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CONTENT

Based on the initial requirement, Proengin offers various options of deliverable from full system integration to ready to mount kit.

KIT OPTIONS

- AP4C-FB system: main detector with visualization and control module (VCM)
- AP4C-FB detector: main detector without visualization and control module (VCM)

ACCESSORIES & SERVICES

- AP4C kit: mobile handheld detector with gas and liquid sampling capability for dismounted personnel
- Integration of the AP4C-FB system to the end-user platform
- Prepaid maintenance and extended warranty options available upon initial acquisition
- For training, technical support or maintenance, contact us at support@proengin.com

SPECIFICATIONS*

Technology: Flame spectrometry

Detection range: Unlimited, CWA, TICs & TIMS, NTAs, Novichok, Binary agent, Precursor, Virus, Bacteria, Spore

Chemical sensitivity: sub-ppm range

Biological sensitivity: 2-10 micron particles

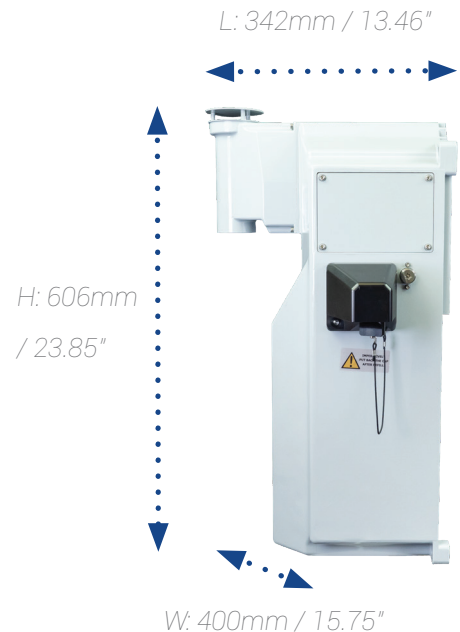
Operating temperature: -32°C to +50°C / -25°F to 122°F

Communication: RS-485 interface

Data storage: Internal memory, 530 hours loop recording

Powers supply: 24 VDC at 72 W (max)

Hydrogen run-time: unlimited (electrolysis)



Weight: 18.2 kg / 40.12 lb

*Specifications are subject to change