AP4C-F

Marine and Critical Infrastructure Chemical Detection System

by **Proengin**

EXCELLENCE IN CBRN THREAT MANAGEMENT

The AP4C-F is a chemical detector for gas and aerosol that provides continuous 24/7 monitoring for land or naval assets. It can detect a broad range of conventional and unconventional threats such as chemical warfare agents, toxic industrial chemicals, homemade terrorist mixtures, and non-traditional agents (e.g. Novichok).

Designed to withstand the harsh environment of naval operation, the AP4C-F is not sensitive to humidity and salt spray. Alarm and sampling is fully automatic and requires no action from the operator.

It is a combat proven system which has been tested and is in use with several navies, first responder fireboats, as well as on buildings and key infrastructure worldwide.

KEY FEATURES

- 24/7 continuous detection
- Quick response time
- No library / No filters
- External & airtight sampling
- Flexible & easy integration
- Designed for marine application
- 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

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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-F system: main detector with visualization and control module (VCM)

· AP4C-F detector: main detector without visualization and control module (VCM)

ACCESSORIES & SERVICES

· AP4C kit: handheld detector with gas and liquid sampling capability for dismounted personel

· Integration of the AP4C-VB 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, and Opioid/Fentanyl
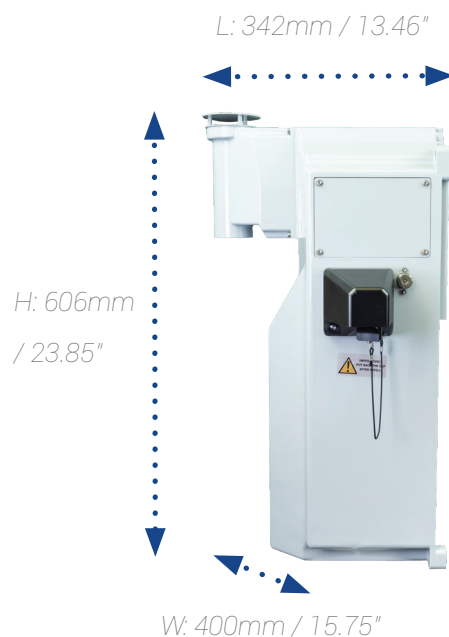
Chemical sensitivity: sub-ppm range

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)

L: 342mm / 13.46"

H: 606mm / 23.85"

W: 400mm / 15.75"

Weight: 18.2 kg / 40.12 lb