

## AP4C-F

### MARINE & CRITICAL INFRASTRUCTURE DETECTION SYSTEM

**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 nontraditional agents.**

Designed to withstand the harsh environment of naval operation, the AP4C-F is not sensitive to humidity and salt spray. Fully automatic alarm and sampling requiring 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 & BENEFITS

- Continuous & simultaneous detection
- Detection results within seconds
- Designed to sustain marine application
- Quick start-up and response time
- No library / No filters
- External & airtight sampling
- Flexible & easy integration
- Rugged design for field use and to withstand harsh environments (dust, humidity, temperature)

#### IDEAL FOR

- Naval platforms
- Strategic sites
- Military shelters
- Transportation hub
- Mass transit

# AP4C-F

## MARINE & CRITICAL INFRASTRUCTURE DETECTION SYSTEM

### SPECIFICATIONS\*

|                                        |                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------|
| <b>Size:</b>                           | 332 x 400 x 606 mm (13.1" x 15.7" x 23.9")                                                                 |
| <b>Weight:</b>                         | ~18kg (39.7 lbs) with electrolyze systems                                                                  |
| <b>Sensing Technology</b>              | Hydrogen Flame Spectrometry                                                                                |
| <b>Detection:</b>                      | CWA (including 4th generation),<br>TIC / TIM<br>Gas, aerosols                                              |
| <b>Mode:</b>                           | Instant concentration or dose                                                                              |
| <b>Alarms:</b>                         | Factory configuration based on customer needs                                                              |
| <b>Power Supply &amp; Consumption:</b> | 24-28 VDC power block<br>(110W peak at start up; 30 – 60W running)                                         |
| <b>H<sub>2</sub> Running Time:</b>     | H <sub>2</sub> produced through embedded electrolyzer<br>28 days H <sub>2</sub> autonomy on 1 water bottle |
| <b>Data Logging:</b>                   | Built in 32Mbit flash memory;<br>~around 530h data logging capability                                      |
| <b>Storage Temperature:</b>            | -39°C to +71°C / -38°F to +160°F                                                                           |
| <b>Operating Temperature:</b>          | -25°C to +55°C / -13°F to +131°F                                                                           |
| <b>Operating Humidity:</b>             | 93% HR (non condensing) @ 55°C (131°F)                                                                     |
| <b>Environmental Conditions:</b>       | Tested against heavy rain, salt, fog, ice & freeze                                                         |
| <b>Connectivity:</b>                   | RS485 to a third-party solution or Proengin software solution                                              |
| <b>Regulation/Performance Test:</b>    | GAM EG 13/ Electromagnetic Compatibility<br>Certifications<br>CE tests (EN 50270)                          |
| <b>Warranty:</b>                       | 1 year                                                                                                     |

\* Specifications subject to change

### ACCESSORIES & SERVICES

Prepaid maintenance and extended warranty options are available upon initial acquisition.

Proengin does offer turn Key CBRN integration solutions, please do not hesitate to contact us for more details.



# Proengin

### FOR MORE INFORMATION:

**WORLDWIDE**  
contact@proengin.com

**USA(only)**  
contactusa@proengin.com



To maximise the value of Proengin's solutions, including white papers, webinars, training and more, visit Proengin Academy.

