

## AP4C-V

### CHEMICAL DETECTION SYSTEM

**The AP4C-V is a mounted solution for vehicle or fixed site that provides continuous detection of chemical threats.**

It can detect a broad range of conventional and unconventional substances such as chemical warfare agents, toxic industrial chemicals, homemade terrorist mixtures, and non-traditional agents.

Alarm and sampling is fully automatic and requires no action from the user. The AP4C-V can easily be installed as a standalone system with its own visualization and control module, or can be integrated to the onboard vehicle combat system via a simple communication protocol.



#### KEY FEATURES & BENEFITS

- Continuous & simultaneous detection
- Detection results within seconds
- Detects at while in movement
- Quick start-up and response time
- No library / No filters
- External & airtight sampling
- Flexible & easy integration
- Performs under harsh conditions (dust, humidity, temperature)
- Rugged design for field use and to withstand harsh environments (dust, humidity, temperature)

#### IDEAL FOR

- CBRN vehicles
- Reconnaissance vehicles
- Light, APC, or MBT class
- Land platforms
- Military shelter
- Static or mobile applications

# AP4C-V

## CHEMICAL DETECTION SYSTEM

### SPECIFICATIONS<sup>1</sup>

|                                |   |
|--------------------------------|---|
| <b>Dimensions:</b>             | 342 x 106 x 173 mm / 13.5 x 4.17 x 6.81 inch                      |
| <b>Weight:</b>                 | ~4kg (8.82 lbs) with 2 x H2 cylinders                             |
| <b>Sensing Technology:</b>     | Hydrogen Flame Spectrometry                                       |
| <b>Detection:</b>              | CWA (including 4th generation), TIC / TIM<br>Gas, Aerosols        |
| <b>Alarms:</b>                 | Factory configuration based on customer needs                     |
| <b>Power Supply:</b>           | 9-32VDC (72W maximum)   |
| <b>H2 Running Time:</b>        | Up to 24hours with 2 H2 Cartridges (room temperature)             |
| <b>Datalogging:</b>            | Built in 32Mbit flash memory; ~around 530h datalogging capability |
| <b>Storage temperature:</b>    | -39°C to +71°C / -38°F to +160°F                                  |
| <b>Operating Temperature:</b>  | -32°C to +50°C / -25°F to +122°F                                  |
| <b>Operating Humidity:</b>     | 93% HR (non condensing) @ T49°C (120.2°F)                         |
| <b>Operating Wind:</b>         | Detects while in movement up to 110Km/h (68 mph)                  |
| <b>Connectivity:</b>           | RS485 to a third-party solution or Proengin software solution     |
| <b>Regulation/Performances</b> | GAM EG 13 / CE tests (EN 50270)                                   |
| <b>Warranty:</b>               | 1 year  |

<sup>1</sup> 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:

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