Proengin

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

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SPECIFICATIONS[1]

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

[1] 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.

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FOR MORE INFORMATION:

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