Improved Chemical Agent Monitor

ICAM

Description

The Improved Chemical Agent Monitor (ICAM) is a hand-held, soldier-operated, post-attack device used for monitoring chemical agent contamination on people and equipment. It detects vapors of chemical agents by sensing molecular ions of specific mobility (time of flight) and uses timing and microprocessor techniques to reject interferences. The monitor detects and discriminates between vapors of nerve and mustard agents. The ICAM consists of a drift tube, signal processor, molecular sieve, membrane, confidence tester, dust filters, buzzer, and battery pack. The monitor measures 4-in. by 7-in. by 15-in. and weighs approximately 5 lbs.

Mission

Identify nerve and blister agent contamination on personnel and equipment.

Capabilities

- Instantaneous feedback of chemical hazard level
- Reduces the need for decontamination operations
- Real-time detection of nerve and blister agents
- Quickly determine contamination (or not) of front-line assets (people and equipment)

Users

US Navy, US Marine Corps, US Army, US Air Force

Status

Sustainment

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