



Smart Air Sampler System 3100

SASS 3100

Description

The Smart Air Sampler System 3100 (SASS® 3100) is a Commercial Off The Shelf (COTS) item which is fielded to Special Purpose CBRN Consequence Management Units to meet part of their CBRN Mission. The SASS 3100 is a high efficiency dry filter sampler developed for the collection of airborne particulates, especially pathogenic bacteria and spores. It is digital, lightweight, remotely controllable, and supports applications requiring a small, rugged low-power device equally comfortable in the arctic or desert. The system is fully portable and accepts both primary and rechargeable batteries

Mission

CBRN CM Units have mission requirements for Biological Standoff Detection Capabilities. The SASS3100 is a lightweight, battery operated standoff sampler and alarm which fills a Biological Standoff Detection Capability gap.



Capabilities

- Fully COTS Item. SASS3100 is currently in production and available for procurement.
- The SASS 3100 is a small, remotely operated air sampler which can run off shore or battery power for up to 20 hours with a rechargeable battery.
- SASS 3100 is lightweight, weighing less than 7 pounds
- SASS3100 has a user adjustable air collection rate of 105 to 350 LPM
- Collection Efficiency:
 - 0.5 µm dia: 50%
 - 1.0 µm dia: 75%
 - >2.0 µm dia: 90%

Users

Civil Support Teams

Status

Sustainment

This Fact Sheet was cleared for public release on 3/30/2012.

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