



Surface Sampler Probe: XM279

Description: The XM279 Surface Sampler Probe (SSP) is an auxiliary component of the M22 Automatic Chemical Agent Alarm (ACADA). The XM279 is a Pre-Planned Product Improvement (P3I) item. The market survey conducted for the M22 ACADA program revealed that no SSP system was commercially available. This led to an in-house design effort to develop the current XM279 SSP.



Capability: The XM279 is a hand-held system that transfers suspected Chemical Warfare Agents vapor to the M22 detector. The XM279 will operate in all climates, from -30°C to +52°C. The XM279 vaporizes liquids found on surfaces and transfers the agent to a vapor detection system such as M22 ACADA, CAM, ICAM, JCAD, M43A1, and Shipboard ACADA. The XM279 comes with the disposable tips, tip removal tool, and transit case. The XM279 has the following capabilities:



- Sampling various surfaces, terrain, individual equipment, and crew for deposited liquid chemical agent
- Operation effective at temperatures below 0°C
- Operate in Collective Protection Equipment (CPE) environments
- Built-in test and fault identification systems

The XM279 can aid in decontamination operations. It can be used to identify specific areas where agent may be present. Decontamination efforts can then be focused on the specific areas where agent is present.

Advantages:

- Lightweight (< 5.5 lb and < 0.1 cu ft) and easy to use
- No maintenance above unit level
- Self contained in carrying case
- Uses current Standard Army Batteries



For additional information, please contact Program Director-Detection, ATTN: AMSSB-PM-RNN-D, Aberdeen Proving Ground, MD 21010-5424. The Program Director can also be contacted by E-mail (pd.detection@sbccom.apgea.army.mil), by telephone at (410) 436-3526 or DSN 584-3526, or by fax to (410) 436-8929.