

WESCOM
DEFENCE

SICAS

Ship Installed Chemical Alarm System

The Wescom Defence SICAS (Ship Installed Chemical Alarm System) is an integral part of the Wescom Defence range of Chemical Detection Equipment products, the SICAS combines cutting-edge technology and unparalleled performance, providing unique solutions for the rapid detection and identification of unknown nerve agents.



TEST CAPABILITIES

- + ALL known and UNKNOWN nerve agents, including potential future variants
- + Hydrogen Cyanide



KEY FEATURES

RESILIENT AGAINST MASKING AND CORRUPTION

Unlike conventional Nerve Agent Detection Systems, SICAS remains responsive even in the presence of masking and corruption. Selectivity minimises false alarms, ensuring accurate threat identification.

THROUGH BULKHEAD UNIT (TBU)

Wescom Defence introduces a reliable air sampling unit, the TBU, facilitating analysis of air outside protected environments, such as Ship's Citadel, without endangering individuals inside. Deployed on numerous UK Capital Ships, TBUs have demonstrated proven reliability over many years.

VERSATILE HOUSING OPTIONS

A wide range of options are available, offering flexibility to meet diverse operational requirements. The detectors can be supplied in non-military housing, reducing associated costs, or in a format suitable for on-board vessels to provide Citadel protection. It is suitable for any fixed installation scenario.

UNMATCHED NERVE AGENT DETECTION

SICAS, at the heart of Wescom Defence's Nerve Agent detection product family, stands as the only global detector capable of identifying ALL known and UNKNOWN Nerve Agents, including Novichok and FTA variants. SICAS distinguishes itself by automatically alarming under both attack and low-level ongoing exposure conditions.

SUB-MIOSIS DETECTION LEVELS

Limits of detection for Nerve Agents reach sub-miosis levels, ensuring heightened sensitivity. Instant alarms activate, providing a crucial generic attack warning when conventional analytical equipment fails to recognise a threat due to low Agent levels or absence from the Alarm Database.

HYDROGEN CYANIDE DETECTION

The system goes beyond Nerve Agents, detecting Hydrogen Cyanide concentrations, adding an extra layer of threat recognition.

BENEFITS

- + **Designed in Collaboration with UK MoD**
The SICAS is meticulously designed in collaboration with the UK Ministry of Defence (MoD), ensuring adherence to military standards and specifications.
- + **Rapid Response**
With a fast response time, the SICAS enables swift decision-making during critical situations, contributing to enhanced survival strategies.
- + **Highly Sensitive and Specific**
Exhibiting high sensitivity and specificity to nerve agents, the SICAS sets a new standard in reliable threat detection.

- + **Integration with TBU**
Seamless integration with the Through Bulkhead Unit (TBU) enhances overall air sampling capabilities, further strengthening the detection capabilities of the system.
- + **Usable While Wearing PPE**
The SICAS can be effectively utilised while wearing Personal Protective Equipment (PPE), ensuring the safety of personnel during chemical threat scenarios.
- + **Consumables and Spares Availability**
Wescom Defence ensures continuous operational readiness by providing readily available consumables and spares.

Develop your defence strategy with Wescom Defence SICAS; where corporate precision meets unparalleled performance, offering an advanced chemical threat detection system for ultimate survival solutions. Rely on excellence, detect with certainty.

SPECIFICATIONS

Size	Customisable dimensions to suit operational requirements
Weight	Varied options, ensuring adaptability
Shelf Life	Extended shelf life for sustained readiness (Specific duration provided upon inquiry)