



M21 Remote Sensing Chemical Agent Alarm

RSCAAL

Description

The M21 Remote Sensing Chemical Agent Alarm (RSCAAL) was the first standoff chemical agent detector approved for fielding to the Soldier. It is an automatic scanning passive infrared sensor which detects nerve and blister agent vapor clouds based on changes in the background's infrared spectra caused by the presence of agent vapor. The alarm system consists of a detector, tripod and transit case and uses standard power sources. The detector was integrated into the Fox NBCRS Block-1 Mod or can be mounted on a tripod. The detector incrementally interrogates along a 60 degree sweep path and can see agent clouds at line of sight distances out to 2 km.

Mission

Identify nerve and blister agent vapors up to a 2 km distance.

Capabilities

Users

US Army

Status

Sustainment



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