

BAWS

biological agent warning sensor



The Biological Agent Warning Sensor produced by General Dynamics Armament and Technical Products is an advanced biological agent detection system used to detect and warn personnel of imminent threats.

BAWS analyzes the surrounding atmosphere by collecting aerosol samples. Using Laser-Induced Fluorescence, BAWS searches for a broad range of biological agent particles. Customizable software works in unison with LIF technology to determine particle origin and threat levels automatically. The detection software can be customized for different environments and mission profiles.

BAWS is currently deployed in the Department of Defense's Portal Shield and the Joint Biological Point Detection System, in addition to many other platform-integrated and stand-alone configurations for military and homeland security applications.

BAWS was developed to provide low-cost, fully customizable biological agent detection. BAWS does not require the use of consumables, ensuring the product is easily fielded and inexpensive to operate.

Specifications

Dimensions	
BAWS	17Hx10Wx13D inches (432x254x350mm)
Purge stand	24Hx12.5Wx9D inches (610x318x229mm)
Weight	
BAWS	31 pounds (14 kg)
Purge stand	25 pounds (11.48 kg)
Power	
BAWS	4 amp DC
Purge stand	120 VAC
Operating temperature	50°F to 104°F (10°C to 40°C)
Storage temperature	-40°F to 160°F (-40°C to 71°C)

Class 1 Laser Product - Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated July 26 2001. Complies with IEC 60825-1:1993 +A1:1997 +A2:2001.

GENERAL DYNAMICS

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