

M43A1 Upgrade

drop-in nerve and mustard detection capability
reprogrammable for other/new threat agents



General Dynamics Armament and Technical Products offers an M43A1 Upgrade with a proprietary detection cell, award-winning electronics and drop-in modularity that permits M43A1 users to transition to nerve, blister, blood and choking-gas detection with minimal investment.

The incorporated state-of-the-art Ion Mobility Spectrometry technology offers high performance (detecting at levels well within JSOR requirements) at an affordable price with low life cycle and ownership costs.

GDATP's advanced electronics enable easy customization of the detection and alarm settings at the factory or in the field - particularly useful for reprogramming for other/new threat agents.

A further enhancement of the M43A1 Upgrade is the bi-directional data/RS232 port, which allows for the output of data and customization of external communications.

M43A1 Upgrade Key Features

- Drop-in modularity
- Detection levels as low as 0.01 mg/m³ depending on temperature
- Detection software reprogrammable for new threats
- Users can perform upgrades utilizing all existing power sources, vehicle mounts, and accessories
- Partnership agreements available with user countries for co-production
- Proven detection technology (IMS)

Specifications

Dimensions	(7Wx11Hx6D inches/178x279x152mm)
Weight	6 pounds (2.7 kg)
Power	6 to 40 Vdc vehicle power or 115/240 Vac
Agents detected	GA, GB, GD, Vx, HD, HN ₃ , L, AC, CK
Detection level	As low as 0.01 mg/m ³ depending on temperature
Operating temperature	-22°F to 122°F (-30°C to 50°C)
Storage temperature	-22°F to 158°F (-30°C to 70°C)
Environmental	
Low and high temperature vibration	MIL-STD-810E Method 514.4, Proc. 1 - common carrier/ Proc. 3 - loose cargo
Electromagnetic Interference (EMI)	MIL-STD-461/462
Drop test	MIL-STD-810

GENERAL DYNAMICS

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