



## Thermo (Ahura) FirstDefender RMX FirstDefenderRMX

### Description

The First Defender RMX is a handheld Raman spectroscopy system designed for use by military and civilian first responders for the identification of unknown solids and liquids. The First Defender RMX is lightweight, rugged, and can be used for in-the-field identification of unknowns by soldiers, first responders, law enforcement and homeland security personnel.

### Mission

The mission of the First Defender RMX is to provide the next generation of lightweight, small, ruggedized Raman detector for the accurate detection and identification of chemical threats. This capability supports the Special Purpose CBRNE CM Units requirements for downrange, handheld, chemical point detection of CWA's, TICs, TIMs and explosive precursors.

### Capabilities

- ❑ FirstDefender RMX identifies a wide variety of organic and inorganic compounds including: petroleum products, pesticides, fertilizers and plastics; chemical weapons; explosives and propellants; drugs (both legal and illicit); other white powders (e.g., sugar, corn starch, chalk); mineral acids (sulfuric nitric, etc.), inorganic substances (e.g., potassium cyanide, titanium dioxide, ammonium nitrate); organometallics; some ionic salts and ions and compounds suspended or dissolved in water.
- ❑ FirstDefender RMX is 3 lbs and 7.7"x 4.5"x 2.4"
- ❑ FirstDefender RMX is certified to MIL-STD 810G standards for ruggedness and environmental protection to IP67 standards against dust and water up to one meter
- ❑ It is operationally ready to use in less than two minutes. No scheduled maintenance or calibration required.

### Users

US Army

### Status

Sustainment



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