



Thermo (Ahura) TruDefender FT

TruDefender FT

Description

The Thermo Scientific (Formerly known as Ahura) TruDefender FT is a Commercial Off The Shelf (COTS) item which is fielded to Special Purpose CBRN Units to meet part of their CBRN Mission. TruDefender FT is a rugged, handheld FTIR system for rapid, in-the-field identification of unknown chemicals. The TruDefender FT has several options available including extended warranties and wireless capabilities. The TruDefender FT is 2.9 pounds and requires no in the field maintenance other than cleaning and battery replacement.



Mission

Special Purpose CBRNE CM Units have mission requirements for downrange, handheld, chemical point detection of CWA's, TICs, TIMs and explosive precursors. The advantage to fielding light-weight, small, ruggedized FTIR device will be a more complete, accurate, and timely detection and identification of chemical threats, increasing the value CBRN CM Response units in any Consequence Management (CM) incident.

Capabilities

- Fully COTS Item. Item is currently in production and available for procurement
- Currently has 10,103 chemicals in library and can identify 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.
- Recommended Operating temperature -20°C to +40°C and Storage temperature -30°C to +60°C; 0-100% humidity.
- Operationally ready for use within 2 minutes

Users

National Guard Bureau, Civil Support Teams, USSOCOM, US Army

Status

Sustainment

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