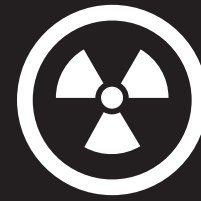


THREAT DETECTION



ANY THREAT
ANYWHERE



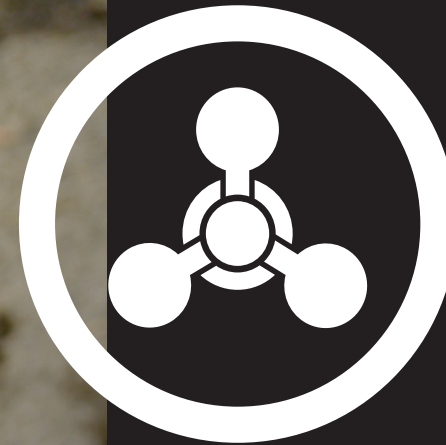


WHO WE ARE

For over 30 years, Teledyne FLIR has safeguarded people and property worldwide by providing tools that see and sense harmful chemical, biological, radiological, nuclear, and explosives (CBRNE) substances.

Teledyne FLIR delivers superior situational understanding from high-performance sensors to system integration to expedite decision-making during defense, counterterrorism, homeland security, HAZMAT, law enforcement, public safety, health, environmental, and commercial missions.

Teledyne FLIR exists to safeguard lives, protect what's important, and drive successful mission outcomes - taking on any threat anywhere.



CHEMICAL DETECTION

CBRNE and HAZMAT emergencies rarely occur in the safety of a laboratory—they can happen anywhere. Teledyne FLIR's chemical sensors detect trace levels of chemical hazards (e.g., Chemical Warfare Agents (CWAs), Toxic Industrial Chemicals (TICs), etc.) and confirm their specific identity. Respondents can act confidently when responding to a chemical attack or chemical accident.



PORTABLE GC-MS

GRIFFIN G510

The Griffin G510 portable GC-MS provides on-scene chemical identification for unknown trace residue, bulk samples, and mixtures. It complements presumptive detectors used during emergency missions by analyzing solids, liquids, and vapors. Knowing the details of the hazard enables responders to take immediate action, whether it is related to remediation, evidence collection, or pursuing intelligence that leads to legal prosecution.

Features:

- Integrated heated vapor sample probe, liquid injector, and solid sample introduction probe for identifying all phases of matter
- Quadrupole mass analyzer and entire NIST library for field-based identification and analysis of unknown materials and complex mixtures
- Completely self-contained vacuum system, carrier gas, batteries, and Wi-Fi
- IP65-rated and large touchscreen for operation in full PPE





GC-MS NARCOTICS DETECTOR

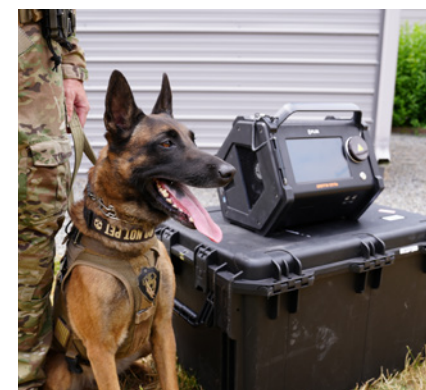
GRIFFIN G510x

The Griffin™ G510x Gas Chromatograph Mass Spectrometer (GC/MS) is a versatile, person-portable chemical identifier optimized explicitly for detecting Narcotics and Explosives. Get confirmatory Identification of major and minor chemical constituents in street drugs in under 5 min. It provides near real time confirmation of presumptive techniques used during emergency missions (FTIR, Raman, and HPMS).

The integrated Sample injection port allows for environmental, forensic, and hazardous material sampling via the included Sample Prep Kit. The 9" on-board touchscreen displays guided user prompts and can be operated while wearing personal protective equipment (PPE). Long-lasting, on-board batteries ensure every mission is supported from beginning to end.

Features:

- High fidelity identification of compounds due to separation of the complex mixtures
- Confirmatory identification of explosives compounds
- Trace-level detection of narcotics like Fentanyl and its analogues





GC-MS NARCOTICS DETECTOR

GRIFFIN G510x

The G510x can isolate and identify individual narcotic compounds in complex mixtures, even down to trace amounts. On-board the G510x is the SWGDRUG library which consists of over 3,500 narcotic, precursors, and metabolites. This library is updated quarterly, free of charge, and provides the latest identification of any new emerging threats encountered in the field.

All captured data of samples taken are not proprietary and freely available for further analysis by any state or federal lab. Rapid testing with run times under 5 minutes allows quick identification and assessment without waiting for lab results.

The G510x can also identify CWAs and 4th gen agents, like Novichok, making it a valuable asset outside the lab for any HazMat team.



SELECT	BEGIN ID	TYPE	DATE	ALARM
☐	00037	Injection	04/27/23	Detect
☐	00036	Injection	04/26/23	No Detect
☐	00035	Injection	04/26/23	Detect
☐	00034	Injection	04/26/23	Detect
☐	00033	Injection	04/26/23	Detect
☐	00032	Injection	04/26/23	Detect
☐	00031	Injection	04/26/23	Alarm
☐	00030	Injection	04/26/23	No Detect
☐	00029	Injection	04/26/23	No Detect

Choose a result from the list and press View for more details.

NAME	FOUND	CONF
Kyloane	0:03:14	88%
Fentanyl	0:04:26	86%
Methyl salicylate	0:07:46	74%

Method 'Drug Trace' is complete.



RADIATION DETECTION

Teledyne FLIR's radiation sensors detect, alarm, verify, locate, and identify radioactive material (gamma and neutron) in real time. They come in a variety of form factors and sensitivities to meet mission requirements. Their common operating interface reduces training time and costs while increasing operator confidence and interoperability between agencies using Teledyne FLIR products.



NEXT GENERATION RADIONUCLIDE IDENTIFICATION DEVICE

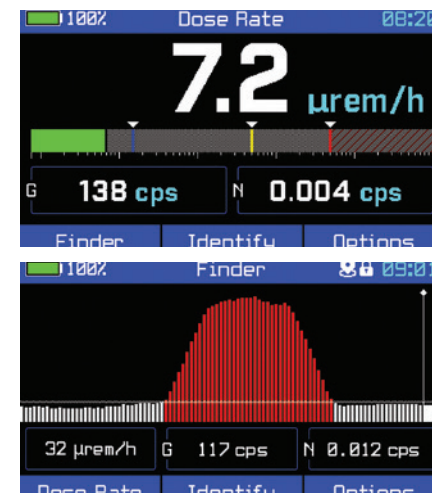
identiFINDER R425

The identiFINDER® R425 is the next generation of the most deployed radionuclide identification device (RID), offering 360-degree coverage so you can confidently locate and measure gamma and neutron radioactive sources. The updated capabilities on the identiFINDER R425 include a higher resolution detector option, higher dose rate capability, and a new glass screen cover for scratch protection. With the familiar identiFINDER user interface and 3-button control, you can operate the R425 quickly, communicate results, and take command of any situation, in any environment, remotely.

The identiFINDER R425 UW variant also comes IP68 for underwater use and high humidity environments in a high-visibility yellow shell.

Features:

- Lanthanum Bromide detector option
- 360° Detection in rugged environments
- High dose rate capability





SPECTROSCOPIC PERSONAL RADIATION DETECTOR

identiFINDER R225

The identiFINDER® R225 is a rugged, pager-sized Spectroscopic Personal Radiation Detector (SPRD). The R225 features a single 18mm cubic CsI detector with SiPM (G/GN) providing exceptional sensitivity and identification capability. There is also an option for an LaBr(Ce) spectroscopic detector (LG/LGN) for $\leq 3.5\%$ resolution. The device features the familiar three-button control common to all identiFINDER products.

Features:

- The R225 provides ANSI N42.48 SPRD compliance, as well as MSLTD 810g Salt/Fog compliance
- Person-borne gamma and neutron detection
- Quick-access holster with bright color screen





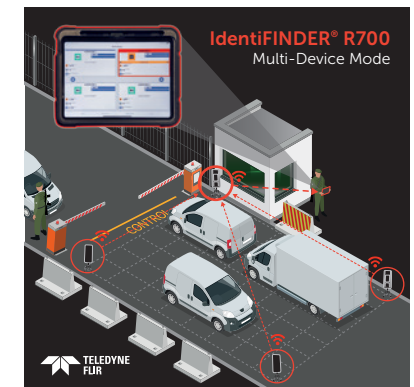
BACKPACK RADIATION DETECTOR

identiFINDER R700

The identiFINDER® R700 Backpack Radiation Detector (BRD) offers new spectroscopic broad-search capabilities. Once dismantled, it provides the capabilities required to successfully perform wide-area searches quickly and efficiently while offering exceptional sensitivity, communication, and trusted spectroscopic algorithms in a lightweight, ergonomic form factor.

Features:

- Network four identiFINDER R700's together to provide constant checkpoint overwatch or perimeter monitoring from a single device
- The identiFINDER R700 can be configured as a nondescript backpack or a stationary screening device, allowing for multiple mission sets from covert wide-area searches to temporary checkpoints at significant events
- The identiFINDER R700 provides critical information in real time and on demand. Wireless communications and a robust API enable integration with user-deployed networks. Tethered-display options provide a radio silent (air-gapped) option for highly sensitive missions





HIGHLY SENSITIVE, SOURCELESS HANDHELD RID

identiFINDER R440

The identiFINDER® R440 is a lightweight, source-less radionuclide identification device (RID) that delivers sensitive detection and fast results for routine survey or secondary screening response missions. The R440 is available with NaI(L), LaBr, and CLIRC detector options to respond to radiological threats from farther away, behind heavier shielding, and with better resolution than similarly-sized RIDs. The extended energy range provides neutron indication in the NaI (G) version. Its light weight makes single-handed operation easy during extended operations, while the IP67-rated enclosure is built to survive. The bold, easy-to-read interface with 360° EasyFinder™ mode expedites decision-making to keep personnel and the community safe. Hot swappable batteries facilitate continuous operation on extended missions. Charging batteries outside the instrument while on standby ensures instant readiness in the response vehicle.



Features:

- High sensitivity in a rugged, durable form
- Hot swappable batteries for extended use
- ANSI N42.42 data format for reach back



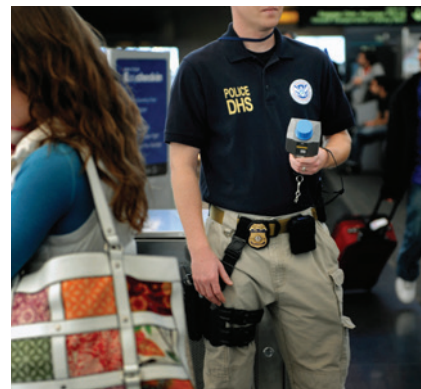
ALL-PURPOSE RADIONUCLIDE IDENTIFICATION DEVICE

identiFINDER R400

The identiFINDER R400 provides operators with the ideal balance of size and weight for a wide variety of monitoring scenarios, including all-purpose surveying, emergency response, and environmental monitoring. The R440 has a true underwater variant available that can withstand up to 10 meters of water indefinitely (IP68). With over 20,000 devices deployed globally, it is the most trusted RID in the world.

Features:

- NaI or LaBr detectors provide custom solutions for sensitivity and resolution
- Back-up gamma detector provides detection capability, even in high dose rate environments
- On-board GPS, webserver, and Bluetooth capabilities





BIOLOGICAL DETECTION

Teledyne FLIR's biological sensors provide early warning of aerosolized pathogenic microorganisms, minimizing long-term exposure from the release of biological agents (airborne bacteria including spores, viral, and protein toxins).

Teledyne FLIR's autonomous IBAC 2.0 continuously monitors the air for bio-threats, generating real-time data to help track movement and provide instantaneous reporting across outdoor areas and within facilities where it's deployed. Teledyne FLIR IBAC is optimal for both continual sampling and as needed with targeted analyses, from critical infrastructure and other government-controlled access areas to large public venues and mass transportation.



BIO-THREAT DETECTOR & COLLECTOR

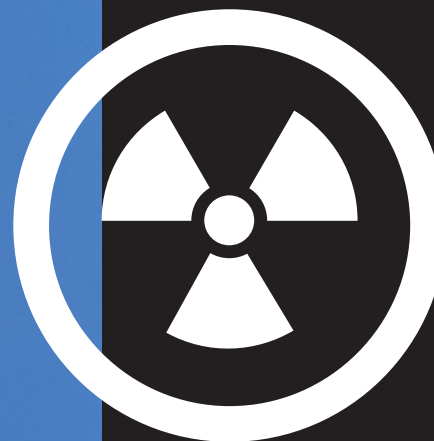
IBAC 2

The IBAC 2 is a fully automated bio-detection sensor that can support continual, 24/7 air monitoring or can be set to target sampling windows to align with hours of operation. IBAC can be configured to support automated aerosol sampling either in conjunction with its triggered alarms or at a set frequency sampling time. IBAC 2 collects and detects aerosolized agents for all four biological threats (spore, viral, cellular, and protein toxins) with low false alarm rates.

Features:

- Designed for integration. Integrate the IBAC 2 core technology into key facility and public safety infra-structure to monitor for biological threats. The IBAC 2 is ready to integrate using our core design, or a design of your choosing to fit your monitoring station.
- Detection algorithms for indoor and outdoor use
- System triggers collector only when high-probability of bio-agent threat
- Operates as part of a network configuration in “first tier” building protection system, or via battery for mobile detection capability





UNMANNED DETECTION

The best protection from dangerous threats is distance. Our detection technology is integrated into unmanned platforms through the MUVE series of detection payloads.

Sending an unmanned vehicle for initial threat assessment and identification keeps people out of harm's way and reduces the time needed to adequately protect people from unknown threats.

CBRNE Detection on multi-mission platforms increases your entire team's response time, decision quality, and safety measures.



CBRNE SENSORS FOR UNMANNED SYSTEMS

MUVE B330 & R430

The MUVE family of CBRN sensors for Unmanned Systems brings Teledyne FLIR's exceptional sensing technology to the air. Every MUVE sensor can plug-and-play on the Teledyne FLIR SkyRanger and SkyRaider platforms with built-in data collection in the Mission Control Software (MCS). Increase the distance between unknown, dangerous environments and people with remote unmanned capabilities.

Features:

- The MUVE B330 detects and collects biological threats utilizing the tried and proven technology of the IBAC 2 sensor. Detect biological threats from the air or land remotely, keeping individuals out of harm's way
- The MUVE R430 adapts the long-standing technology of the identiFINDER family of sensors to the unmanned platform. Detect, locate, measure, map, and identify radioactive sources from above
- The MUVE series of payloads are designed for integration. Integrate them into other platforms or solutions for any mission



MUVE B330



MUVE R430



EXPLOSIVES DETECTION

Security professionals need advanced technologies to interdict explosives during combat, physical security, law enforcement, forensics, and anti-terrorism operations. Teledyne FLIR's handheld explosives sensors detect a broad range of explosives with best-in-class sensitivity, while its desktop systems offer unparalleled accuracy to expedite frontline decision-making.



HANDHELD EXPLOSIVES TRACE DETECTORS

FIDO X2 & X4

The Fido X-Series are handheld explosives trace detectors (ETD) featuring proprietary TrueTrace® detection technology. They offer best-in-class sensitivity across a broad range of explosive threat materials. Fido ETDs are simple to use and expedite frontline decision-making through an intuitive interface that rapidly displays alarm results. With thousands of units fielded in over 40 countries, handheld Fido ETD systems are a trusted choice for critical security applications.

Features:

- Extremely portable and ergonomic – X2 (1.5 lbs; 0.7 kg), X4 (3.2 lbs; 1.5 kg)
- Trace sensitivity for homemade, commercial, and military explosives
- Fast five-minute start up with analysis and clear down complete in under one minute
- Minimum training required for essential operation, increasing operational effectiveness by reducing downtime



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