Fido® X3

Handheld, Vapor and Particulate Explosives Detection

The FLIR Fido X3 is the lightest and most sensitive handheld explosives trace detector in its class. Its unique TrueTrace™ detection technology identifies military, conventional, homemade, and liquid explosive threats by class on surfaces (particulate) and in bottles (vapor). With a magnesium case and splash-proof seal, its rugged design meets rigorous MIL-STD-810G and IP54 specifications. It starts from cold in five minutes and has a battery that lasts up to eight hours. With clear-down measured in seconds, operators spend more time sampling and less time waiting. Fido X3 expedites on-site decision making with ten-second threat reporting via intuitive, go/no-go alarms. Training can be completed in 30 minutes, further minimizing the impact on day-to-day operations and costs. With thousands of units fielded in over 40 countries, the Fido X-series is the most trusted handheld explosives trace detector for critical security applications.

CUSTOM APPLICATIONS

- Entry control and random checkpoint screening
- Post-event screening
- Passenger terminal screening
- Bottled-liquid threat screening
- Security sweeps
- VIP protection

FEATURES & BENEFITS

- TrueTrace detection in <10 seconds
- Broad, class-based identification
- Fast five-minute start-up
- Rapid clear-down within seconds
- Long-lasting, user replaceable battery
- Rugged, MIL-STD-810G, 1-m drop tested
- Simple go/no-go interface
- On device video training
- Firmware updates via WiFi
- No radioactive ionization source
- No calibration requirements

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Specifications

	Fido X3
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TECHNOLOGY	
Technology	FLIR TrueTraceTM; multi-channel fluorescence technology; no radioactive source
SAMPLING & ANALYSIS	
Sample Introduction	Direct vapor for bottled liquids or sampling swipes for surfaces
Sample Phase	Vapor and trace particulate
Threats	Detects military, conventional, homemade, and liquid explosives
Sampling & Analysis	Analysis ≤10 seconds with real-time detection capability
SYSTEM INTERFACE	
Display & Alerts	Visible, audible, and haptic (vibration) alerts;
	vivid, sunlight-readable color display (32k colors)
Localization	Language translation available worldwide
Communication	USB; optional embedded wireless; Windows®-based software
Data Storage	3,500 hrs of continuous data logging
User Levels	Operator and Administrator
POWER	
Input Voltage	100-240 VAC (wall adapter supplied)
Battery Specs	Two rechargeable Li-ion batteries (swappable and up to 8-hr battery life); adapter included
Startup Time	<5 minutes from cold; <10 seconds from sleep
ENVIRONMENTAL	
Operating Temperature	14 to 122 °F (-10 to 50 °C)
Operating Humidity	5% to 95% non-condensing
Storage Temperature	14 to 122 °F (-10 to 50 °C)
PHYSICAL FEATURES	
Dimensions (L x W x H)	14.5 x 4.5 x 2.8 in (37.0 x 11.5 x 7.0 cm) - with battery
Weight	3.0 lbs (1.4 kg)
Enclosure & Protection	Molded magnesium and polymer composite casing with anti-corrosive coating

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