TELEDYNE FLIR

FIDO® X4

Premium Handheld Explosives Trace Detector

The Fido X4 is a premium handheld explosives trace detector (ETD) that delivers unmatched sensitivity for a broad range of explosives, so you can easily detect threats at levels others can't. Next generation TrueTrace® detection technology features a new five-channel sensor array that delivers expanded threat coverage, enhanced sensitivity, and identification in a wide range of environmental conditions. The simplified user interface features onboard video tutorials, user prompts, and color-coded alarms with strength indicators so you can operate quickly and decisively. Analysis and reporting of results are made simple through multiple modern connectivity options, allowing critical data to be shared quickly. From high-volume checkpoint and randomized screenings to foot patrol and standoff operations, Fido X4 is ready to go when and where you need it.

www.flir.com/X4

NEXT LEVEL DETECTION

Expanded threat detection with best-in-class sensitivity from TrueTrace® Technology

- Detect a wide range of explosives at nanogram to sub-nanogram levels, including Nitroaromatics, Nitramines, Nitrate-esters, Nitrosamines, Plastic Explosives, Smokeless Powders, and Peroxides
- Gain actionable intelligence through identification of threats in as little as ten seconds
- Particulate sampling mode for high-throughput checkpoint or randomized screening; vapor sampling mode for handheld bottle and container liquid screening

OPERATIONALLY AVAILABLE

Intuitive interface dramatically reduces training burden and increases end-user adoption and retention

- Learn basic operation and start screening quickly with on-device video tutorials and on-screen user prompts that provide step-by-step instruction
- Easily interpret results with clear, color-coded alarms, and strength indicators
- Power, firmware updates, data transfer, and future reach back capability with Bluetooth®, Wi-Fi, and USB-C connectivity options

DESIGNED FOR THE MISSION AT HAND

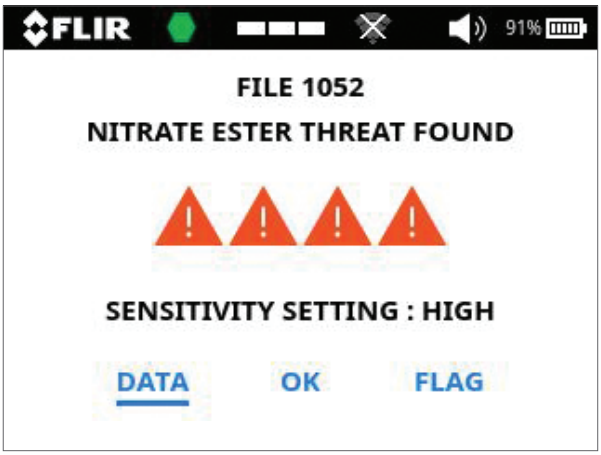
Designed for extended operations in a wide range of environmental conditions

- Light (3.2 lbs) and ergonomically designed to minimize operator fatigue during high throughput screening scenarios
- Up to 16-hour mission time with two 8-hour, hot-swappable batteries included
- IP54-rated for dust ingress and water resistance
- MIL-STD-810G compliant for shock, vibration, temperature, and humidity; one meter drop-tested

SPECIFICATIONS

Fido X4	
Technology	TrueTrace®; five-channel fluorescence technology; no radioactive source
Sampling & Analysis	
Sample Introduction	Swipes for particle collection and surface sampling; direct vapor for bottled liquids
Sampling Phase	Trace particulate and vapor
Threats	Detects military, conventional, homemade, and liquid explosives
Time to Alarm	10-25 seconds
Clear-Down Time	Less than 30 seconds
System Interface	
Display & Alerts	Visible, audible, and haptic (vibration) alerts; vivid, sunlight-readable color display (32k colors)
Localization	Language translation available worldwide
Communication	USB-C (Drive and Link modes), toggleable Wi-Fi, and Bluetooth
Data Storage	3,500 hours of continuous data logging
Data Management	On-device report generation; export to mass storage
User Levels	Operator, Administrator
Power	
Input Voltage	100-240 VAC (wall adapter supplied)
Battery Specs	Up to 16-hour mission time; two rechargeable and hot-swappable Li-ion batteries, each lasting up to 8 hours
Startup Time	3 minutes from cold; <10 seconds from sleep
Environmental	
Operating Temperature	32 to 104 °F (0 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	3.2 lbs (1.5 kg)
Enclosure & Protection	IP54-rated, molded magnesium and polymer composite casing with anti-corrosive coating



Specifications are subject to change without notice.
For the most up-to-date specs, go to www.teledyneflir.com

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