

EXPLOSIVES DETECTION

Security Operations



ACTIONABLE INTELLIGENCE

FLIR handheld explosive trace detectors (ETDs) deliver unprecedented combination of sensitivity, selectivity, and repeatability during preventative screening operations, high risk facility protection, intelligence missions, and dynamic antiterrorism measures. Fido X-Series provide the portable screening capability needed to take the security mission mobile. Each of the FLIR handheld ETDs provide an all-clear response or threat alarm in 10 seconds, so picking the right detector really comes down to the type and number of people or items expected to screen each day. Learn more about our explosive trace detection technology at flir.com/explosives.



FIDO® X4



FIDO® X3



FIDO® X2



FIDO® X-Series

Where and why are they used?

Fido X-series ETDs are used at entry control points, for high-traffic screening, or in the field for dynamic security missions. Fido ETDs enable operators to detect trace amounts (invisible) of homemade, commercial, and military explosives for the purpose of gaining actionable intelligence used to protect people and property from illicit explosive threats.

How will it help me do my job?

Fido ETDs add an extra layer of protection with no extra hassle. Operational training is simple and guided using on-device video tutorials. Cold-start time is three minutes, samples are analyzed in ten seconds, and clear-down time is less than 30 seconds, on average. Fido X Series ETDs are ready to go when and where you need them.



FIDO MODEL	X2	X3	X4
Size	Handheld – 1.5 lbs (0.68 kg)	Handheld - 3 lbs (1.4 kg)	Handheld – 3.2 lbs (1.5 kg)
Durability	-	Meets rigorous MIL-STD-810G and IP54 specifications; 1m drop-tested	Meets rigorous MIL-STD-810G and specifications; 1m drop-
Startup	3 minutes	5 minutes	3 minutes
Sample phase	Particulate (vapor optional); reusable sampling swipes	Particulate and vapor; reusable sampling swipes	Particulate and vapor; reusable sampling swipes
Desorber	Manual	Automatic	Automatic
Sensitivity	Trace levels invisible to the operator	Trace levels invisible to the operator	Trace levels invisible to the operator
Result time	10 seconds	10 seconds	10 seconds
Battery life	3.5 hr Life, Rechargeable Li-Ion	8 hr Life, Rechargeable Li-Ion	8 hr Life, HOT-Swappable Rechargeable Li
Technology	TrueTrace® Detection: 3 Sensing Channels	TrueTrace® Detection: 4 Sensing Channels	TrueTrace® Detection: 5 Sensing Channels
Detectable Threats	Military, Commercial, and Homemade Explosives	Military, Commercial, and Homemade Explosives. Threat Category ID	Military, Commercial and Homemade Explosives. Enhanced detection of Nitramines (HMX, RDX) and Nitrate Esters (PETN, NG) and Smokeless Powders with Threat Category and Substance ID

