

# Fido<sup>®</sup> NXT

NEXT GENERATION EXPLOSIVES DETECTION



Completely redesigned from the ground up, the lightweight and rugged new Fido<sup>®</sup> NXT delivers fast, accurate and consistent explosives detection capabilities for combat, physical security and anti-terrorism operations. The expanded detection capabilities and reduced size of the Fido NXT enables the system to be easily integrated into existing security measures.

The Fido NXT features a simplified user interface with a GO/NO GO response suitable for novice users. Additional response information is available via the administrator mode for fully trained operators and system administrators with knowledge of detection TTP and firmware analysis, as well as system maintenance and troubleshooting.

Encased in a ruggedized magnesium shell, the Fido NXT operates in all environments and has passed one meter drop testing. This extremely sensitive device can operate for a full eight hours on a single battery and requires no calibration. The Fido NXT starts up quickly, in less than five minutes, and swiftly clears down after an explosives alert to permit rapid throughput.

The ergonomic design of the Fido NXT enables standardized, consistent sample presentation for enhanced analysis. This new design mitigates the potential for interference from weapons, communications systems, and other devices. With all-weather and day/night capability combined with visible, audible and tactile alerting options, the Fido NXT is ideally suited to covert operations or screening in high risk or high threat environments.

## BENEFITS

- Expanded detection capabilities
- Increased operating time
- Simplified user interface
- Consistent sample presentation
- Canine comparable/rate detection
- Compact, rugged design
- Day/night operable

## APPLICATIONS

- Security checkpoints
- ECPs
- IED and munitions detection
- Random Anti-terrorism Measure (RAM) programs
- Executive protection and VIP security
- Post blast analysis
- Patrols
- Quick Reaction Forces



## SPECIFICATIONS

Description	Portable explosives detector
Detection Technology	Fluorescent polymer based * No radioactive source
Power	Internal battery: Lithium Ion (8 hour life dependent upon environmental conditions)
AC Input	100 to 240 V, 50 to 60 Hz wall adapter (supplied) System charges battery while running on AC power
Auxiliary Battery Charger (external)	AC Input: 100 to 240 V, 50 to 60 Hz wall adapter (supplied).
Com Ports	USB
Data Storage	2000 hours of continuous data logging
Weight	3.0 lbs including battery
Dimensions	14.5L x 4.5W x 2.75 H



## MULTI MODAL OPERATION

Fido NXT users can be fully trained in a matter of hours on standard system operation. The standard operating mode yields a yes/no indication for the presence of explosives and automates system functions. Standard mode also enables organizations with high turnover rates to maintain consistent screening capabilities.

In the administrator mode, supervisors with additional training can verify an alert received during standard operation. The administrator mode is password protected and provides additional access to system configuration and setup.

## K9 COMPATIBLE

The Fido NXT complements K9 assets at checkpoints and on patrol. Routine screening procedures are easily handled by a Fido NXT operator, freeing K9 handlers to focus on responding to critical situations. The small footprint of the Fido NXT allows for covert screening and may be used in places where K9 screening is not an operational or cultural option.

## EXPANDED DETECTION CAPABILITY

The Fido NXT uses advanced optics, new tip design and an innovative sampling module to significantly enhance detection capabilities for a broader set of explosives compounds, including ammonium nitrate.

Improved signal processing vastly reduces the occurrence of nuisance alarms as well as greater discrimination of interferences. The system also includes 2000 hours of memory as well as an advanced self-diagnostic capability and automated pump for improved efficiency and reduced downtime.

