

# Fido<sup>®</sup> XT

## CANINE SENSITIVITY IN A HANDHELD EXPLOSIVES DETECTOR

Based on a breakthrough detection technology, the combat proven Fido<sup>®</sup> XT is currently in use throughout Iraq and Afghanistan. Unlike other systems, the Fido uses a polymer-based technology to achieve better and faster detection results. This innovative material provides an immediate response before rapidly resetting for continued screening operations.

To mitigate the threat of improvised explosive devices, detection solutions must be sensitive, portable and flexible in their application capabilities. The Fido meets and exceeds these requirements through its sensitivity and compact nature - helping users pinpoint people involved in the construction, transportation and deployment of explosive devices.

Even after a positive detection result, screening operations can continue uninterrupted. Unlike other devices, the Fido does not force the user to wait through excessive cleaning and clearing routines before using the device again. Rather, the Fido allows users to locate trace amounts of explosive materials, quickly verify their results and continue screening the surrounding area or additional personnel. This capability also enables the Fido to be mounted as a payload on a robot; the only explosives detector to effectively do so.

Weighing less than three pounds, the Fido XT is small, fast and ultra-sensitive. In today's asymmetric fight, working dogs are an invaluable asset. Now, the size and sensitivity of Fido puts the capabilities of canine detection into the hands of the war fighter, first responder and security personnel.



## TACTICAL APPLICATIONS

- People screening
  - Personnel checkpoints
  - Post-blast search for operatives
- Vehicle screening
- Building screening
  - Bomb factories
  - Weapons caches

## FEATURES

- Trace vapor detection
- Real time response
- Small size and weight
- Robot-mountable
- No radioactive source



## BASIC AND ADVANCED MODES

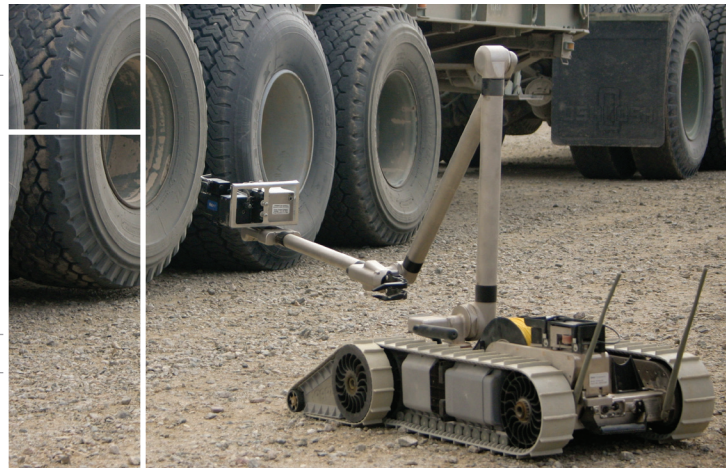
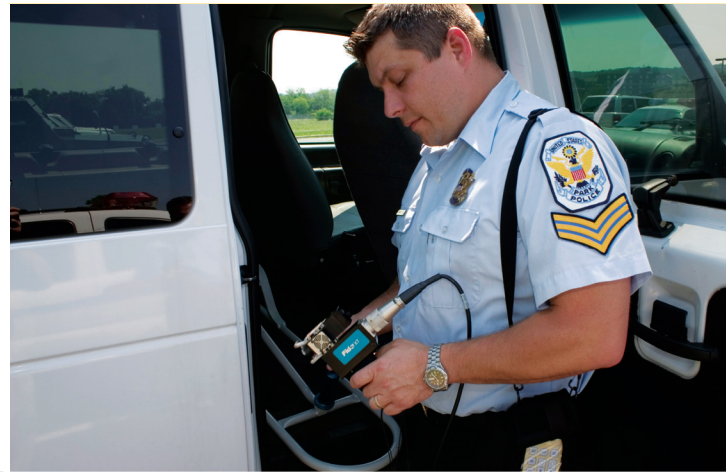
Fido XT users now have the option to operate the system in a greatly simplified “Basic” mode. The Basic Mode requires little training and yields a yes/no indication for the presence of explosives. Basic operation enables organizations with high turnover rates to maintain their screening capabilities. In the Advanced Mode, supervisors that have received additional training can verify a presumptive positive alarm garnered during Basic Mode operation.

## SPECIFICATIONS

Description	Portable explosives detector
Detection Technology	AFP (Amplifying Fluorescent Polymer) * no radioactive source
Power	<b>Internal Battery:</b> Lithium Ion (4.25 hour life max - dependent upon environmental conditions) AC: 100 to 240V, 50 to 60 Hz <b>External Battery:</b> 1 lb (8 hour life maximum - dependent upon operational conditions)
Auxilliary Battery Charger (External)	AC input: 100 to 240 V DC input: 50 to 60 Hz 12 V connector (supplied) System charges battery internally while running on AC power
Com Ports	USB Auxiliary interface (RS-232 via adapter)
Data Storage	Up to 60 days continuous data logging capability (handheld mode)
Weight	2.4 lbs (including 4 hr battery)
Dimensions	Base unit : 9.8 in x 4.8 in x 2 in Tether length: 40 in Sensor head: 3.5 in x 3.5 in x 1.5 in

### Fido OnBoard (optional robotic interface)

Com	USB RS-232 (connection cables available for various hardware)
Interface Unit	Dimensions: 2.75 in x 2.6 in x 2.5 in Weight: 8 oz
XT Sensor Head (w/out Grip)	Dimensions: 3.5 in x 3.5 in x 1.5 in Weight: 15.6 oz
Power	12 W during start-up 4 W steady state (typical) 9 to 28 VDC input



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