

# Fido X80 (GRIFFIN 844)

## Explosives and Narcotics Detection and Screening



The **FLIR Fido X80 (Griffin 844)** is a desktop trace detector that is used to screen personal belongings, parcels, cargo, skin, vehicles, and other surfaces for explosives and narcotics threats. It delivers a significantly lower false alarm rate than other offerings, offers expandability to address future threats without impacting sensitivity, and ensures fast and reliable clear-down to maximize availability.

### Significantly Lower False Alarm Rate

Built around FLIR's mass spectrometry (MS) technology, the Fido X80 provides much higher resolution compared to existing ion mobility spectrometry (IMS) technology, resulting in improved chemical selectivity. As a result, the Fido X80 yields significantly lower false alarm rates, providing confidence to security officers that only true threats are detected.

### Expandable Threat Library

The Fido X80 performs dual-mode detection for a range of current threats, including military, commercial, and home-made explosives, as well as commonly abused narcotics, pharmaceuticals, and synthetic drugs. FLIR's expandable library allows new threats to be added to the library without impacting sensitivity or false alarm rates. Updates to the library are offered as they become available, providing customers with a future-proof solution that addresses emerging threats.

### Maximum Operational Availability

FLIR's menu-based GSS Touch™ application eliminates data interpretation and streamlines checkpoint operations. The Fido X80's innovative system design ensures fast and reliable clear-down, eliminates lengthy bake-outs, and minimizes maintenance to maximize operational availability. It uses a non-radioactive ionization source to eliminate associated costs and logistics.



## FEATURES & BENEFITS

- Simplified red-light / green-light threat screening
- Significantly lower false alarm rate than other offerings
- Detects and identifies explosives and narcotics within seconds
- Expandable library to address new threats
- Fast and reliable clear-down and no bake-outs
- Non-radioactive ionization source and limited maintenance
- No data interpretation required; takes only minutes to train
- Exclusive miniature ion trap mass spectrometry technology

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## SPECIFICATIONS

<b>Technology</b>	<b>Mass spectrometer</b>
Ionization Type	Non-radioactive, dual ionization source
Sample Acquisition	Surface wipe with reusable sample ticket
Sample Phase	Trace particulate
Detection Modes	Explosives, Narcotics, and Dual-Mode Explosives/Narcotics
Threats	Explosives detected: A broad range of military, commercial, and home-made explosives (including peroxide-based explosives); list available upon request Narcotics detected: A broad range of commonly abused narcotics, pharmaceutical drugs and controlled substances, including synthetic and designer drugs; list available upon request
Sampling & Analysis	Analysis time 10-20 seconds
Sensitivity	Nanogram level
Display	10.4" XGA-TFT touchscreen LCD with IR Touch, 1024 x 768 pixels, 1000 nits brightness
Alerts	Audible and visual
Data Transfer	Two USB ports, Ethernet port
Simplified User Interface	GSS Touch interface with tiered user accounts
Training Requirements	½ to 1 day; Operator, Administrator, and Full System certifications are available
Input Voltage	110-240 VAC, 50/60 Hz
Cold Start Time	<30 mins (includes automatic system tune)
Operating Temp / Humidity	0 to 40 °C (32 to 104 °F) / 95% humidity
Dimensions (L x W x H)	19.0 x 18.0 x 18.0 in (48.0 x 45.0 x 45.0 cm)
Weight	45 lb (20 kg)
Printer	On-board thermal printer
Packaging	Custom fit protective transport case with handle and wheels available
Consumables & Maintenance Items	Sample Tickets, Thermal Printer Paper Rolls, Verification Pen, Verification Tickets, Ionization Filament, and Buffer Gas



### GSS Touch Interface



**Simple alarms with no data interpretation required**

