



FLIR GRIFFIN™ 844

Explosives and Narcotics Detection and Screening

The FLIR 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. FLIR's exclusive mass spectrometry technology offers dual-mode detection and alarms only for true threats. It is equipped with an unprecedented, expandable library that protects against current and future threats. The innovative system design ensures fast and reliable clear-down, eliminates overnight bake-outs, and minimizes maintenance. FLIR's menu-based GSS Touch™ application provides security personnel with simple, streamlined operation in the most challenging environments.

SIGNIFICANTLY LOWER FALSE ALARM RATE

Security officers gain confidence that only true threats are detected

- Unmatched specificity differentiates between a true threat and innocuous materials
- Unaffected by changes in ambient temperature and humidity
- Equipment alarm levels do not need to be adjusted based on the operational environment

EXPANDABLE THREAT LIBRARY

Easy to use, next generation mass spectrometry technology provides future-proof solution that addresses emerging threats

- Detects a broad range of explosives and narcotics
- New threats can be added to the library without impacting sensitivity or false alarm rate
- Operator training completed in just minutes
- Simple touchscreen interface with self-explanatory go/no-go color-coded alarms

MAXIMUM OPERATIONAL AVAILABILITY

Fast and reliable clear-down and no bake-outs

- Innovative, open-loop design limits maintenance to once per quarter
- Non-radioactive ionization source with no licensing or special handling
- Automated, internal system calibration with no user interaction required

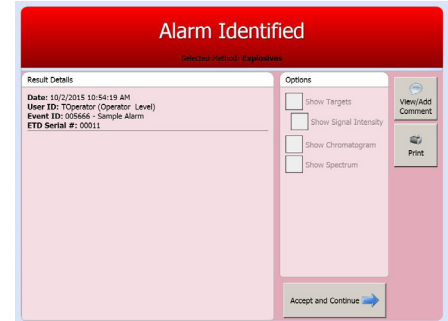


Specifications

Griffin 844	
TECHNOLOGY	
Technology	Mass spectrometer; non-radioactive ionization source
SAMPLING & ANALYSIS	
Sample Introduction	Sample swipe (reusable sample ticket)
Sample Phase	Trace particulate
Sensitivity	Nanogram level
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
Detection Modes	Explosives, Narcotics, and Dual-Mode Explosives/Narcotics
Sampling & Analysis	10-20 second analysis
SYSTEM INTERFACE	
Display & Alerts	Audible and visual alarms; 10.4" XGA-TFT touchscreen LCD with IR Touch, 1024 x 768 pixels, 1000 nits brightness
Simplified User Interface	GSS Touch™ with tiered user accounts
Printer	On-board thermal printer
Training Requirements	1-2 days depending on level of training desired; Operator, Administrator, and Train-the-Trainer certifications available
POWER	
Input Voltage	110-240 VAC
Cold Start Time	<30 minutes (includes automatic tuning/calibration)
ENVIRONMENTAL	
Operating Temp	32 to 104 °F (0 to 40 °C)
Operating Humidity	95%
PHYSICAL FEATURES	
Dimensions (L x W x H)	19 x 18 x 18 in (48 x 45 x 45 cm)
Weight	45 lbs (20 kg)
Enclosure & Protection	Custom fit protective transport case with handle and wheels; integrated vacuum system; no external vacuum system required
Consumables & Routine 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

HEADQUARTERS

FLIR Systems, Inc.
27700 SW Parkway Ave
Wilsonville, OR 97070

DETECTION SALES, AMERICAS

FLIR Detection, Inc.
2800 Crystal Drive, #330
Arlington, VA 22202
Phone: +1-877-692-2120
detection@flir.com

DETECTION SALES, APAC

FLIR Detection, Inc.
3 Pickering Street #03-49
Nankin Row
Singapore - 048660
Phone: +65-6822-1596
detection@flir.com

DETECTION SALES, EMEA

FLIR Detection, Inc.
Luxemburgstraat 2
2321 Meer
Belgium
Phone: +32 (0) 3665 5106
detection@flir.com

Equipment described herein may require US Government authorization for export purposes. Diversion contrary to US law is prohibited. Imagery for illustration purposes only. Specifications are subject to change without notice. ©2015 FLIR Systems, Inc. All rights reserved. [Updated 10/11/15]