



PRODUCT CATALOG



HAND-HELD CHEMICAL IDENTIFIER BFQ-601

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HAND-HELD CHEMICAL IDENTIFIER

Hand-held Chemical Identifier is designed for rapid, accurate identification of unknown liquids and solids such as threat liquids, narcotics, explosives, and chemical warfare materials. Based on Raman spectroscopy, can analyze the unknown substance and immediately give reliable result, and can collect tests data (test results, comparison graphs, time, etc.) , which are printed out by a thermal printer or generated as a PDF electronic report, and can be seen via connecting to a mobile phone.



High accurate and flexible identification of a wide range of the unknown substance with extensible substance library;
 High speed inspection;
 Hand-held and ergonomic design;
 Non-destructive and Non-radioactive testing;
 Analyze and identify substances in several seconds typically;
 Micro USB and Wi-Fi for data transfer and software update;
 6.5 inch touch screen ;
 Can check the information from mobile phone software ;
 With GPS&4G, support positioning, connecting internet;
 Integrated Bluetooth for data sending;
 Friendly operation based on touch-screen with graphical user interface and minim

SPECIFICATIONS

Model	BFQ-601
Overall size	86.7(L)*165(W)*52(H)mm
Total Weight	<1.2kg
Spectral range	200-3900cm
Wavelength Resolution	8-10cm
Laser wavelength	785nm
Detector	Back-illuminated high-sensitivity CCD detector
Display	6.5 inch high definition color touch screen
Laser security classification	3B
Laser consumption	0-500mW adjustment
Alarm	audio and visual alarm, and show you test result
Warm up time	no
Laser lifetime	10,000.00hrs
Data storage	save 100,000 records
Integration time	100ms-5s
Probe working focal length	10mm
Data upload and download	USB or wireless to import or export
Power	12V/3A Power Adapter
Battery	Rechargeable lithium battery, battery life > 5 days
Working temperature	0~40 °C
Working humidity	Relative humidity ≤ 93%
Storage temperature	0~55°C
Storage humidity	Relative humidity ≤ 80%
Li-Polymer battery	3750mAh
Explosives	TNT, RDX, Hexogen, Oktogen, Sulfur, Ammonium Nitrate, Entropy explosive, Dinitrotoluene, etc.
Narcotics	Cocaine hydro-chloride, Palavering hydro-chloride, Methamphetamine (meth), Methamphetamine and Ketamine hydro-chloride (K), etc.

Liquid Threats	Acetic acid, Acetic anhydride, Ethanol, Chloroform, Methanol, Toluene, Acetone, Pyridine, Benzene, Ethyl ether, Cyclohexane, 1-2 Dichloroethane, Xylene, N,N-dimethylformamide, Isoamyl alcohol, Isopropyl alcohol, Nitrobenzene, Cyclohexanone, Isoamyl acetate, Tetrahydrofuran, etc.
Others	infinitely extension database
Alt Name	Hand-Held Chemical Identifier

FEATURES

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 Friendly operation based on touch-screen with graphical user interface and minimal training required;
 Existing sample library types reach 100+, you can build your own library;
 It is designed to be lightweight and portable, with a built-in rechargeable battery, weighing less than 1.2kg;
 Long standby time, more than 5 days.

APPLICATIONS

- 1) Army/Police/Anti-terrorism:
 Investigate drug smuggling
 Explosive detection
 Chemical warfare agents detection
 Suspicious chemical analysis
- 2) Inspection and quarantine:
 Illicit drugs inspection
 Unknown chemicals analysis
- 3) Pharmaceutical chemical:
 Raw material analysis
 Product quality analysis

MORE INFO



1. Engineering buttons (dedicated for debugging);
2. Indicator light;
3. User switching;
4. Power off;
5. Language switching;
6. Information display area;
7. Functional area;
8. Raman probe;
9. Power switch;
10. USB charging port;
11. Charging indicator light;
12. Detection button.



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