



HAND-HELD CHEMICAL IDENTIFIER BDRD-301

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Hand Held Chemical Identifier, for rapid, accurate identification of unknown liquids and solids such as threat liquids, narcotics, explosives, and chemical warfare materials. Based on Raman spectroscopy, it can analyze the unknown substance in question quickly and provide an immediate, reliable result.



High accurate and flexible identification of a wide range of the unknown substance with extensible substance library
High speed inspection
no warm up time. It can directly detect once turn on
Handheld and ergonomic design
Non-destructive and Non-radioactive testing
Analyze and identify substances in several seconds typically
Micro USB2.0 and Wi-Fi for data transfer and software update
Can check the information from mobile phone software
Integrated Bluetooth for data sending
Friendly operation based on touch-screen with graphical user interface and minimal training required
Virtual keyboard: Built-in Win8.1 system, a virtual keyboard

SPECIFICATIONS

Model	BDRD-301
Explosives	TNT, RDX, PETN, Octagon, Sulfur and Ammonium Nitrate, etc.
Narcotics	Cocaine hydrochloride, Palavering hydrochloride, Methamphetamine (meth), Methamphetamine and Ketamine hydrochloride (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
Spectrum range	200 - 3900 cm ⁻¹
Resolution	8 - 10 cm ⁻¹
Laser wavelength	785 nm
Laser security classification	3 B
Detector	Backside highly-sensitive CCD detector
Laser consumption	0-500mW adjustment
Integral Time	100 ms - 5 s
Analysis Time	3 s
Alarm	Audio and visual alarm. And show you test result
Detection Way	Acquiring a usable signal a few millimeters away from the sample
Probe working focal length	8 mm
Warm up time	No
Working temperature	0°C to 40°C
Working humidity	≤93%
Storage temperature	-20°C to 55°C
Storage humidity	≤80%
Data	By USB or wireless to import or export
Data storage	Save 300,000 records
Battery	Rechargeable 4 hours lithium battery
Dimension (LxWxH)	160x222x74 mm
Weight	2.3 kg

Power	12V/3A adaptor
Alt Name	Hand-Held Chemical Identifier

FEATURES

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APPLICATIONS

Widely used in Pharmaceutical chemical, Army/Police/Anti-terrorism, subway, railway, public security, border police, government Units, postal logistics, other key security zone, the human body clothing, luggage, drugs left on the surface of the goods, explosives, other prohibited items, suspicious objects can be quickly detected.



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