

ALPHAPEC 520

Hand-held Fluorescent Explosive Detector

Product overview

ALPHAPEC 520 Hand type fluorescent explosive detector with a new generation of fluorescent polymer sensing technology, high sensitivity detection military explosives, nitrate, ammonium nitrate and peroxide explosives, small size, light weight, high sensitivity, can sample for solid, liquid, gas, by detecting the intensity of fluorescent polymer fluorescence quickly identify the explosives in the surrounding environment.



I. Able to detect More than 40 explosives or explosive chemicals such as TNT, DNT, nitrotoluene, nitroglycerin, ammonium nitrate, black powder, cyclonite, pentaerythritol tetranitrate, plastic explosives, etc.;

II. High detection sensitivity, less than 2pg (TNT);;

III. Short response time, and the type of explosives can be determined within 10 seconds

Application area

The ALPHAPEC 520 handheld fluorescent explosive detector can be widely used in security screening in airports, subways, railway stations, customs, border defense, ports, and important conference venues.

Technical indicators

Detection Mechanism	fluorescent polymer sensing technology
Detection Capability	More than 40 explosives or explosive chemicals such as TNT. DNT. nitroioluene. nitroglycerin, ammonium nitrate, black powder, cyclonite, pentaerythritol tetranitrate, plastic explosives, etc.
Sampling Method	Wiping or Sucking
Detection Precision	>2pg (TNT)
False Positive Rate	<1.0%
Reaction Time	<10 sec
Starting Time	<60 sec
Cleansing Time	<10 sec
Working Temperature	-20°C ~ +45°C
Storage Temperature	-40°C ~ +55°C
Alarm Type	Sound & Light Alann or Screen Vibration
Size	380 mmx 108 mmx 73 mm
Weight	<1.5Kg

