OUR EQUIPMENT
YOUR SAFETY

AUTOMATIC COMPACT EXPLOSIVE DETECTOR

Kerber-ST

Explosives can be detected automatically on fingers when a person presses the sampling device button of the detector.

SCOPE OF APPLICATION:

- express detection of trace amounts of explosives at various checkpoints (passport and visa control at airports, train stations, entrances to mass events, industrial facilities and specially protected areas);
- control of access to premises with increased security requirements;
- inspection control of trace quantities of explosives on hands after contact with them.

ADVANTAGES:

- Wide range of detectable substances
- Possibility of logical and physical integration into any types of ACS
- High throughput
- No expensive consumables required
- Efficient self-cleaning system
- Expandable list of identified substances

DETECTABLE SUBSTANCES:

Detection and identification of trace quantities of explosives: nitramines (hexogen, octogen, tetryl), nitroesters (nitroglycerin, ethylene glycol dinitrate, PETN), nitroaromatic compounds (TNT, dinitrotoluene), organic peroxide compounds (acetone peroxide, HMTD), inorganic nitrates (ammonium, potassium and sodium nitrate), etc., as well as mixed explosives based on them.

Identification and recognition of narcotic drugs (optional)

SPECIFICATIONS

Overall dimensions (DxWxH)	115x200x280 mm
Weight	max 4 kg
Consumed power	up to 200 W
Detection limit in terms of TNT at temperature from +5 to +40°C and relative humidity from 20 to 80%	max $2 \cdot 10^{-8}$ g
cleanup time of the sampling device if a large amount of explosives is spilled on it	max 2 min
Time to switch to the operating mode	max 15 min
Throughput capacity (considering sampling, detection and identification time of target substances)	10-15 persons per minute
Operation mode	continuous, round-the-clock
Computer communication interfaces	Ethernet (TPC/IP), USB, dry contact
Provided as a stationary product with mountable design, optimized for integration into combined inspection complexes and (or) various access control systems (ACS).	