KERBER-ST
Compact Stationary Detector
for Explosives and Narcotics on Fingers

*The detection
of explosives and/or narcotics
on the finger is carried out when
the inspected person presses the
button of the sampling unit of
the detector*

PRESS THE BUTTON

Scope of Application

- Rapid detection of trace amounts of explosives and narcotic substances at various checkpoints (passport and visa control at airports, railway stations, public events, industrial sites and specially protected areas);

- Control access to the premises of increased security;

- Inspection control of the presence of traces of explosives and narcotics on hands after contact with these substances;

Main Advantages

- ✓ Rapid simultaneous detection of positive and negative ions

- ✓ Non-radioactive ionization source

- ✓ Doesn't require high-priced expandable materials

- ✓ Wide range of detected chemical agents including home-made peroxide explosives

- ✓ Open database of substances with possibility of alter extension

Substances Detected by Kerber-ST

- **Explosives (detection and identification):** nitramines (RDX, HMX, tetryl, etc.), nitrate esters (nitroglycerine, EGDN, PETN, etc.), nitroaromatics (TNT, DNT, etc.), organic peroxides (TATP, HMTD), inorganic nitrates (ammonium, potassium and sodium nitrates), and also blended explosives based on them.

- **Narcotics (detection and identification):** cannabinoids (hashish/marijuana), opiates (morphine, heroin, codeine, fentanyl, etc.), amphetamines (amphetamine, methamphetamine, MDMA, etc.), cocaine, etc.

Basic Features

Feature	Value
Overall dimensions of the detector (L×W×H), mm	200×115×280
Weight, kg	3.5
Detection threshold for TNT, g	$2 \cdot 10^{-8}$
Number of measurements (inspected persons) per minute	20
Time for operating mode start-up, min, not more	15
Sampling unit cleaning time in case of severe contamination, min., not more	2
Mode of operation	Round-the-clock
Communication interfaces	Ethernet (TCP/IP), USB