ROSOBORONEXPORT
Russian Defence Export

Kerber-T

Portable and universal

Detection of wide range of chemical agents including home-made peroxide explosives with rapid simultaneous detection of positive and negative ions.

- Non-radioactive ionization source;
- Open database of substances with possibility of later extension;
- Rapid switching between vapor and trace detection modes.

Handheld trace detector for explosives, narcotics and toxic chemicals. Bipolar ion mobility spectrometer Kerber-T is a perfect multi-mode threat detector. It can detect and identify tiny quantities of almost all kinds of explosives, most common drugs, toxic chemicals and chemical warfare agents.

The detector is non-radioactive, absolutely safe in operation and doesn't require high-priced expandable materials. Kerber-T is highly appreciated and widely used by special services all over the world.

Main characteristics:

- Principle of operation : Bipolar drift-time ion mobility spectrometry
- Explosives detected: nitramines (RDX, HMX, tetryl), nitrate esters (NG, EGDN, PETN/Semtex), nitroaromatic compounds (TNT, DNT), organic peroxides (TATP, HMTD), inorganic nitrates (ammonium, potassium and sodium nitrates, ANFO) and mixtures (plastic explosives, powders, etc.)
- Drugs detected: : cannabinoids (hashish/marijuana), opiates (morphine, heroin, codeine, fentanyl, etc.), amphetamines (amphetamine, methamphetamine, MDMA, etc.), cocaine and others.
- Toxic industrial chemicals detected: hydrogen sulphide, hydrogen chloride (hydrochloric acid), hydrogen fluoride (hydrofluoric acid), sulfur dioxide (sulfurous anhydride), chlorine, ammonia, nitric acid, etc.
- Chemical warfare agents detected: : sarin/cyclosarin (GB/GF), soman (GD), VX/VR, mustard gas (HD), phosgene/diphosgene (CG/DP), hydrocyanic acid (AC)/cyanides.
- Overall dimensions of the detector, mm: 110x170x10
- Weight (including battery), kg: 3.7
- Time of continuous autonomy work with regular battery, not less, hours: 4

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