

# Zaslon-M Explosive Detector

## Purpose and advantages

- ZASLON-M mobile explosive detector is intended for real-time detection of explosives, both indoors and outdoors, as well as trace amounts of nitro-containing explosives on hands, documents and other objects that were in contact with explosives provided temperature ranges are carefully maintained
- The device also ensures measurement quality in the presence of foreign substances in the air
- ZASLON-M detects such substances as ammonium nitrate, dinitrotoluene, trinitrotoluene, trinitro-resorcinol (picric acid), dinitronaphthalene, dimetyldinitrobutane, ethylene-glycoldinitrate, nitroglycerin, tetranitropentaerythrite, pentaerythritetranitrate, hexogen, octogen, benzofuroxan, tri-peroxide acetone, hexamethylenetriperoxidediamine, industrial explosives based on hexogen, industrial explosives based on octogen, simteks, octol, ammonite, ammonal, nitropowder, etc.
- Application area:
  - monitoring of explosives vapor content in the air of enterprise workspace;
  - border and customs check points;
  - defence facilities;
  - security of mass events;
  - transport security;
  - use by law enforcement bodies;
  - prevention of terrorist attacks with explosives use

## Technical specifications

- Dimensions ..... 41 x 19,2 x 14 cm  
Weight with batteries ..... 2 kg  
Explosive vapours measurement limit ..... at least TNT  $10^{-11}$  g/cm<sup>3</sup>  
Distance from the object ..... up to 250 mm  
Power supply:
  - from AC adapter with a frequency of 50/60 Hz, 100 - 240 V
  - from a battery with an output voltage of at least 12 VContinuous operation time ..... at least 8 h  
Detection time ..... no more than 2 sec  
Time to enter operating mode ..... no more than 15 sec  
Climatic operating conditions:
  - operating temperature range from minus 0 to plus 40 ° C;
  - relative air humidity of not more than 85% at a temperature of plus 25 ° C  $\pm$  1 ° C



## Delivery set

- ZASLON-M detector
- Photoluminescent Sensor Kit, 3 pcs
- Shoulder Strap
- Operation Manual
- Charger
- Case