



# WESTMINSTER

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## WG C04 Hand Held Explosives Detector



The WG C04 Hand Held Explosives Detector detects explosives in gas phase and particle form with extremely high sensitivity.

Provides direct non-contact detection of TNT vapors and less volatile explosives, including RDX, HMX as well as Nitroglycerine, Ethylene glycerol dinitrate (EGDN), Pentaerythritol tetranitrate (PENT) and its compounds, Semtex, cyclotriacetone triperoxide, Ammonium nitrate, Dynamite and explosives, based on these explosive substances

Device operation is based on the principle of nonlinear dependence of ion mobility on the electric field.

Explosives is of compact size and low power consumption.

### Standard Features

- Traces detection of low-volatile explosives on the surface using a piezo desorber.
- Direct operation in smoky and dusty areas, without usage of extra tools and without the risk to fail due to excessive concentration of explosive vapors.
- Explosives detection by using defining points, allows confident detection in wide range of temperatures and humidity.
- Self-cleaning and automatic protection against concentration overload – detector stays in operable mode without long cleaning procedures.
- Expandable list of detected explosives directly via detector interface, or via USB or Bluetooth connection. Entering new explosives can be done even by operator in field conditions without a computer.
- Small size and weight, long term usage under the operational situation.
- The Explosive Detector is certified in the Federal State Unitary Enterprise “State Research Institute of Civil Aviation” for compliance with the special technical means to ensure aviation security.
- The detector has been tested in FSB RF to meet the requirements of the means of transport security.

### Package Includes

- WG C04 Explosive Detector – 1
- Safety cover – 1
- Additional battery unit – 1
- External power supply GS60A18-P1J or of similar characteristics – 1
- Power cord – 1
- Source of TNT vapor imitator – 1
- Evaporation chamber of piezo desorber – 1
- Removable filter grids – 3
- Manual book – 1
- Device passport – 1
- Passport to the sources of ionisation radiation – 2
- Packing case for storage and transportation - 1

## Specifications

Parameter	Unit	Value
Sensitivity to TNT vapors, not worse	g/cm <sup>3</sup>	10
Analysis time, not more	Sec	2
Detection certified and sensitivity measured for explosives	-	TNT, RDX, HMX, PENT
Start time from standby mode	Sec	6
Distance of vortex sampling, range	Mm	60-100
Operating temperatures range	°C	5 .. 50
Battery life for mixed operation mode	Hour	6-10
Dimensions, L ½ W ½ H, not more	Mm	350*103*94
Weight, max	Kg	1,7

