

Explosives Detector AL-6D

locates explosives in short & long distances

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Applications

- Continuous surveillance and monitoring of confined areas of interest, such as ports, airports, railway stations, bus stations, shopping centers, athletic stadiums, buildings, hotels, banks, factories, bridges, dams, power plants & substations, communication posts, customs points, government complexes, strategic targets, weapon systems locations, passages, military bases and camps.
- Scanning areas: terrains and territories of interest, unexplored territories, buildings.
- VIP protection
- Vehicles and moving objects, including transport vehicles, airplanes, ships, cars, trains, containers, personal luggage.



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The AL-6D device accurately detects explosives such as mines, weapons, RPG'S, stinger missiles, explosive devices, mortar shells, projectiles, antitank weapons, even gunpowder and many other explosives. The device detects explosives in distances ranging from cm to several km, depending on the quantity of explosives, in depths more than 8 meters under soil, water or in the sea. AL-6D detects explosives in open terrain, behind walls, barriers, buildings, hills, inside vehicles and metal containers.

Cosmetics, glycerine products, salts, metals and "dirty" battle environment do not influence the accuracy of explosives detection.

AL-6D uses a unique DiodeBell material structure localization technology and method. This technology is based on the magnetic attraction created by particular material structures. Other explosive detection systems although they promise to detect in long ranges are not accurate even in short distances. Systems that use high power 'x' and '?' radiation, work only in very short distances of a few meters.

Diodebell's explosives Detector AL-6D is the only device that can accurately detect explosives.



Technical characteristics

Detects :

TNT
C3 – C4
HMX
M2 – M3
RDX
PBX
AMFO
PETN
Tortil
Dynamite
Gelatin
Tetryl
Octol
Cyclotol
Ammonium
NitroGlycerine (NG)
Pyroxiline
Perchlorate
Propellants
TATP
HMTD

Dimensions of the AL-6D device :

Total Length, mm: 350 with closed & 900 with open antennas

Box Length, mm: 189

Width, mm: 100

Height, mm: 35 – 60, (200 – 240 with handle)

Handle length, mm: 150 – 170 bellow box

Weight, gr: 480 without batteries, 650 with batteries.

Error upon operation: 5%

Power: two self-contained rechargeable 9V battery packages.

Operating Time (Power Autonomy) about 6 hours, depending on the Output Power of the device and the LCD usage.

Minimum weight of localized material (depends on distance)
kg: 0.01 – 0.5

Max. Detection Distance : several km depending on amount.
1Kgr of material can be detected about 1Km away.

Operating conditions :

Temperature, C°: from -40 to +60

Max Humidity, %: 95

Max wind speed, m/s: 5

Works from the inside of a car, thus making the operating conditions more versatile.

LCD display and 4-key keypad for :

Material Selection

Output Power regulation

Sweep signal regulation

Battery level monitoring

Device Type : Hand Held

Operation Mode : Continuous

Storage conditions :

Temperature, C°: from -50 to +65

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