



ESD “PHANTOM”

remote-contact
electroshock device

TECHNICAL CHARACTERISTICS

- Maximal voltage of blank discharge, kV	90-150*
- Power of influence, W	20*
- Operating climatic conditions: operational in the temperature range -15C - +50 C and relative humidity up to 98% at the temperature +25 C;	
- Weight, kg	0,21
- Dimensions, mm	136x60x30
- Work cycles with completely charged battery, not less	80
- Supply element: removable rechargeable LiPOL battery	7.4/600
- Quantity of charging cycles of the battery (if tested every three months), not less than	500
- Check cycles (1s.) with completely charged battery, not less than	240

*depends on the contract terms

PURPOSE

PHANTOM is a modern electroshock weapon meant to be used by policemen, special units and services in countries that legally allow application of an electroshock weapons. PHANTOM is used to affect offenders with series of high-voltage discharge, as well as for psychological influence on an aggressive person.

Application of PHANTOM allows policemen:

- To eliminate the usage of physical strength during arrest of the suspect and to avoid injuring the suspect;
- To avoid attracting attention during detention;
- To avoid violating the principles of humane treatment of the suspects.

TYPES OF APPLICATION

Contact application. Bring the working electrodes to an attacker's body and push the button of high-voltage discharge.

Remote electroshock application. Mount the tactical nozzle-adapter NP-11 on PHANTOM in advance and attach remote cartridge (KD or KD+). After the cartridge is initiated PHANTOM can be used on the same object without removing the cartridge or adapter. PHANTOM can be carried and applied contact with a mounted NP-11 adapter.

Remote psychophysical application on one or several objects. Mount the tactical nozzle-adapter NP-11 on PHANTOM in advance and attach flashbang cartridge (KSSH). After the cartridge is initiated PHANTOM can be used on an object without removing the cartridge or adapter. PHANTOM can be carried and applied contact with a mounted NP-11 adapter.



SPECIFICS OF USE

Effectiveness of contact application of the electroshock device is determined by:

- Use of psychological intimidation on the enemy with a sight and a sound of discharge. Loud noise of high voltage discharge causes the aggressor to instinctively fear the possible contact application. Blank discharge can be used on street dogs, or opponents of equal strength. If the opponent has an obvious advantage in strength, it is not recommended to demonstrate the weapon.
- Electroshock device is most effective in conditions, where other self-defense means are not efficient or dangerous for the user: in windy weather, in closed spaces such as cars, elevators, etc.
- It is allowed to be in physical contact with the object, on which the device is being used. Only the part of the influenced object between the electrodes is exposed to high voltage.
- Apply electroshock device PHANTOM to particular zones for better effect. The most vulnerable areas are neck, groin, solar plexus, chest and upper thighs.
- Apply the device unexpectedly. Unexpected use of self-defense weapons does not allow the offender to prepare for the impact psychologically and take preventive actions.
- One of the fundamental rules of effective use is to follow the movement of a target during the application: it is necessary to press the electrodes tightly to the body of the aggressor.

Effectiveness of the electroshock device is directly related to the distance from the working electrodes to the affected area. Maximum efficiency can be achieved if the electrodes touch the body of the attacker or are in close proximity (2-3mm) from the affected area.

SPECIFICS OF INFLUENCE

Neuromuscular Incapacitation (NMI). During contact or remote application electroshock device PHANTOM influences an object with the impulses of high frequency that cause neuromuscular incapacitation. PHANTOM transformer system is executed from the high-precision materials and forms an effective contour with the influenced area. The contour adjusts to the physiological features of the object and to the physical and chemical changes in the defeat zone during the application. The contour transfers the defeat energy from the device to the object as special impulses that block the nervous system.

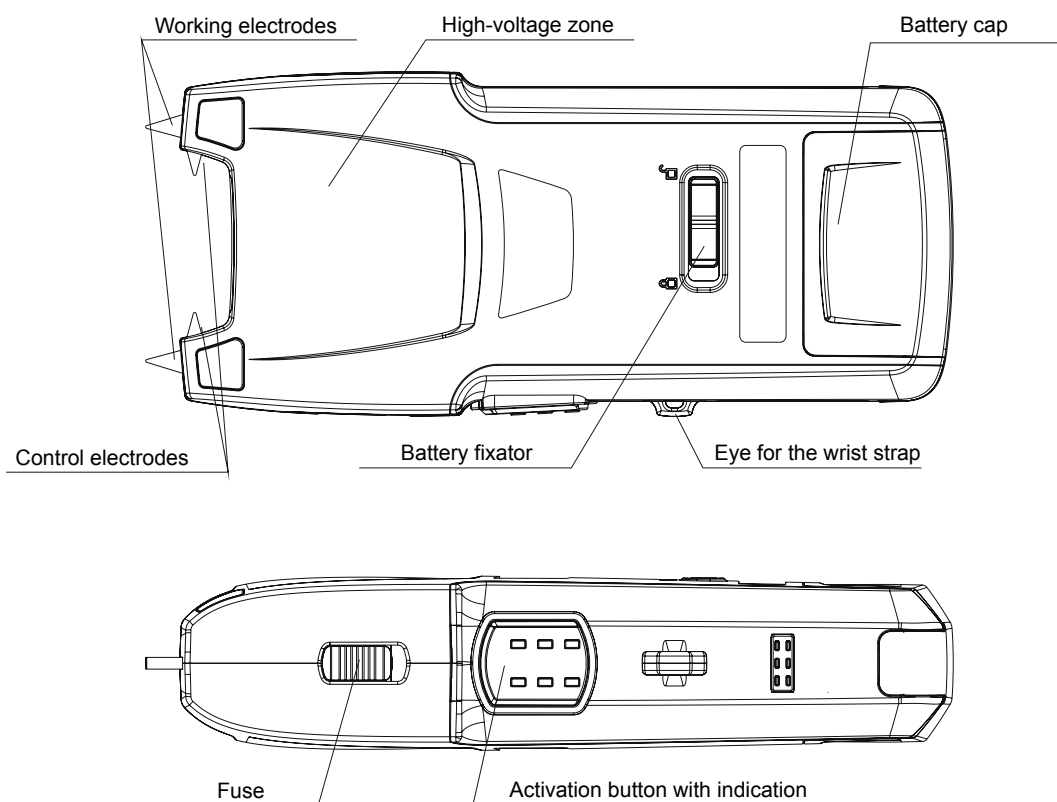


Neuromuscular incapacitation is effective against the aggressors with high pain tolerance level (drug abusers, persons under the stress, prepared and trained opponents who can withstand the influence with pain or can put up a fight despite the pain). Electric influence of PHANTOM allows to control the opponent's actions which prevents the opponent from consciously breaking the contact or showing resistance during the application.

CONSTRUCTION

PHANTOM is designed in a shock-resistant case and has a safety fuse to prevent accidental triggering, control electrodes for producing blank discharge. It is possible to carry the device on the wrist strap.

PHANTOM has a removable lithium polymer battery. The battery can be fixed in the case without using the battery cover temporarily with the battery lock is provided (in the position of the lock "closed" the battery is fixed inside the case). The lock is used for easy installation of the battery cover.



COMPLETE SET

- Electroshock device PHANTOM - 1 pc;
- Battery (LiPOL 7,4V, 600mAh) - 1 pc;
- Charging device «PHANTOM A1»- 1 pc;
- Wrist strap - 1 pc;
- Operation manual - 1 pc.

Additional equipment:

- Nozzle-adapter NP-11 for attachment of remote cartridges;
- Flashbang cartridge;
- Remote cartridge;
- Belt holster (material: nylon).