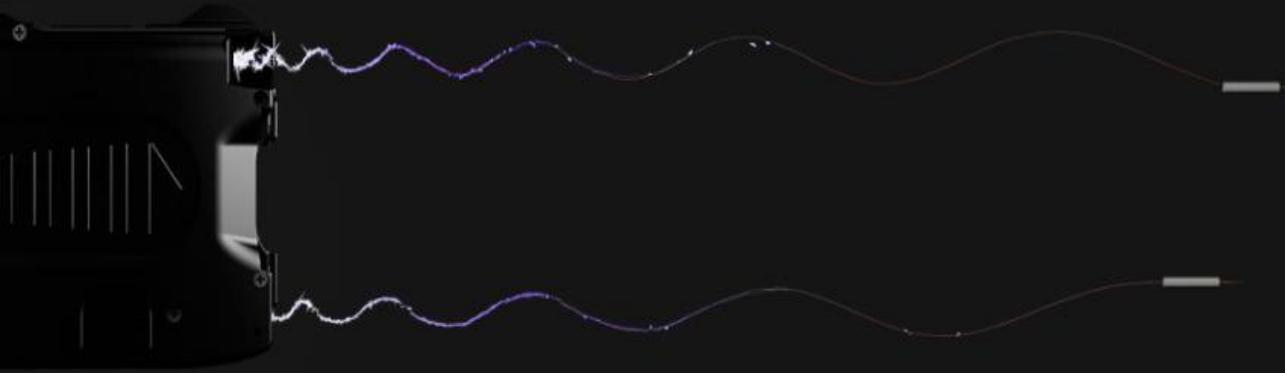




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SPECIFICATIONS

Electric power	9.8 Watt
Current	13 mA
Pulse repetition frequency	90-120 Hz
Effective impulse length	90-110 μs
Voltage (no-load)	Less than 40 kV
Voltage on load 1 000 \square	800-1500 V (corresponding resistance of the human body)
Distance target engagement	4.5, 6 meters
Batteries	12 V, rechargeable LiPol, 550 mAh
Cycles of operation at one charge	Not less than 150 cycles (3 sec each)
Temperature range	-20/+50 °C
Dimensions (L*H*W)	223*150*39 mm (width of the grip-handle: 28 mm)
Device weight (fully equipped: battery and clip with 10 cartridges for 5 deployments)	670 \pm5 g
Material	Highly durable, light weight and reliable polymer
Color	Black
Laser Designator	Red point
Warranty	12 months
Service and technical support for ECD Magen and all associated parts	5 years



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Features	Tactical advantages
10 CDC in a clip for 5 deployments	<p>Allows to neutralize as many as 5 targets without recharging. Saves critical time at operation.</p> <p>Since in operational situations, when shooting with a threatening and moving target (even if the movement is not fast), the chance of hitting the target drops.</p> <p>Especially when it comes to less lethal electric means in which the initial velocity of the "bullet" is significantly lower than the standard bullet.</p>
Automatic cable detaching after each shot.	<p>Cables are detached after each shot (after trigger is depressed). Duration of the electric impulse exposure is defined by the time the trigger is being pushed (deactivation occurs automatically after 3 seconds). Allows quick movement in different directions, saves critical time.</p>
Automatic deactivation of the electric impulse after 3 sec.	<p>Prevents user confusion. In real situation it's impossible to control a duration of each shock (for example by looking at display).</p> <p>There is the possibility of "control mode" - mechanical lock of the trigger (or holding trigger), when pushed it is used to capture the offender. The device has a built-in timer that delivers additional electric impulses with a special algorithm according to customer requirement. For example: After initial shock of 3 sec, 1 sec pause, 1 sec shock, 1 sec pause, 1 sec shock---> deactivation. It is possible to stop the shock at any time by trigger or lock releasing.</p>
The possibility of a combination of remote and contact use without any additional action. Trigger- for remote mode, upper button for contact.	<p>Prevents user confusion, saves critical time.</p>
Change of clip from the bottom side as in a firearm.	<p>Prevents user confusion, saves critical time.</p>
Cables outspreading	<p>The cables are outspreading to the distance from the user to the target, remain parallel to each other. Prevents short circuit.</p> <p><u>Spread between the darts:</u> 20- 30 cm (distance from user to target: 2-3 m) 30-40 cm (distance from the user to target: 3-4.5 m) 40- 60 cm (distance from the user to target: 4.5- 6 m)</p> <p>Other technologies- 45 cm, 65 cm, 90 cm between the darts (distance from user user to target: 3, 4.5, 6 m –accordingly).</p> <p>In other technologies, usually upper dart hits the upper body, the bottom dart hits the leg, that increases the chance of missing the target (especially then the target is moving).</p>



Standards and certificates

- MIL STD 461G – Electro-static-magnetic tests
- Electric parameters test
- MIL STD 810 low (-20) /high (+50) temperature test
- MIL STD 810 humidity test
- MIL STD 810 vibration test
- MIL STD 810 drop test
- MIL STD 810 salt fog test
- IP 22
- Safety standards CE: IEC 60990, IEC 60335-2-76, IEC 60479-1/2, IEC 62792 (similar to UL)
- Battery and charger safety standards CE: IEC 60335-2-29:2016, AMD1:2019 for use in conjunction IEC 60335-1:2010, COR1:2010, COR2:2011, AMD1:2013, COR1:2014, AMD2:2016, COR1:2016 (similar to UL)
- Extremal high temperature test for CDC (cartridges): IEC 60068-2-2:07
- Medical test by Italian Ministry of Health (stimulators and defibrillators).
- Cardiologic review (world expert)
- Physiologic review (word expert)
- Research and test on animals

Manufacturer licenses and standards:

- Firearms and ammunition dealing license
- Defense exporter license
- Israeli MOD official supplier license
- ISO 9001:2015
- Member of the Chamber of Commerce

1 Basic* SET of ECD MAGEN includes:

- 1 ECD Magen (with serial number)
- 1 Clip (empty magazine)
- 1 Battery (removable and rechargeable)
- 1 Battery charger
- 1 Manual
- 1 Box/case

*The additional equipment from the price list can be ordered according to the client requirement.



Remote and Contact operations mode

The weapon has a button enabling the independent contact method that allows to apply a high-voltage on the action electrodes without a shot even with the loaded clip.

Operating principle

When the trigger is pushed, a high voltage discharge initiates two CDCs, which fire the electrodes from the weapon to the target. After an electric arc is created, the target receives a high-voltage discharge of a specific shape causing paralysis or pain effect based on PDG's (personal defensive gadget) electric exposure technology. Duration of the exposure is defined by the time the trigger is being pushed.

When reaching the target, the wire remains tight which prevents it from overlapping and target release. The electrodes are made of soft materials and have extended diameter to prevent kinetic injuries while hitting the target.

After the trigger is depressed, used CDCs are thrown out of the weapon. One clip has 10 CDCs for 5 charges.



Laser Designator

The device has built-in laser designator (LTD) which indicates the point of hitting and can be regulated in two dimensions. Aiming can also be done with the front and rear sights which are located on the body of the weapon.



Lock and Timer

The shocker has a mechanical lock of the trigger, when pushed it is used to capture the offender. The electronics of the weapon have built-in timer that delivers electric impulses with a special algorithm and limits total time of electrical charge of one shot.



Easy to use

The weapon's controls are designed so that the device can be handled by both left and right hand. It is easily manipulated by one hand allowing the other to hold a service firearm to take a full control over the situation.

Automatic cartridge ejection system

Provides tactical advantage in
speed of action

MAGEN is a pistol-shaped electroshock weapon with CDC (charge delivery cartridge). One clip has 10 CDCs for 5 charges.





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