Maxi ATarget

Instruction manual

APEOM s.r.o.

Subject to change

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703 00 Ostrava 3	mob.: +420 733 574 376	DIČ: CZ25876911	www.apeom.cz	in Ostrava,
Czech Republic			youtube.com/apeomcz	section C, insert 23877

1. Safety measures:

- Before use, read this Instruction manual.
- Use this device only in compliance with this Instruction manual.
- Never point a gun at humans or animals.
- Laser emitting weapon should be used cautiously as any other weapon.
- Target *Maxi ATarget* is an optoelectric device, therefore any disassembling is prohibited.
- To power the target, always use a recommended power adapter 12V/1 or 2 A.
- Don´t plug in a power cable that could be anyhow damaged.
- This device should be used only for the activities it was designed for.

2. Device description:

- *Maxi ATarget* is a mobile shooting simulator designed specifically for people with impaired vision or just anyone who would like to try shooting first on a bigger target.
- The target area is 50x50 cm.
- This device consists of an alluminium body with the electronics and the target itself.
- This target has all the usual functions / shooting disciplines as our MiniAtarget or LPT Training Target. On this target you can switch on and off the "blind shooting" mode. In this mode the target will tell you where are you shooting based on sound feedback. The higher the pitch, the closer you are to the center. Also after each shot the target will read out loud your score and where on the target you have hit.
- **For this "blind shooting" and aiming curve to work, a special laser pistol or rifle is needed.**
- Not only can it be used for "blind shooting" disciplines, it also can show you the **aiming curve** before and after shot.
- Shooting simulator evaluates place of impact, score and shooting time.
- All the results can be shown on PC, tablet or a mobile phone in any internet browser after connecting to target´s Wi-Fi.
- The system is multiplatform and that means it will run on any operation system (Android, Windows, iOS, etc..). The only requirement is Wi-Fi and any web browser.

3. installation/before use:

The Maxi Atarget consists of 3 main parts: The alluminium body, alluminium arm with the electronics and the target plate.

[1]

1) Place the bolts you get with the target through the legs of the stand as shown on the picture and secure it with the hand nut.
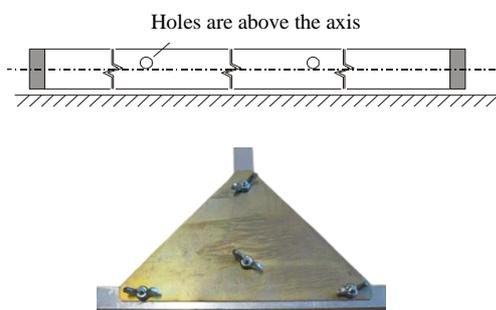
2) Put another prepared bolts through the holes [1] and tighten them to the main frame of the target

Holes are above the axis
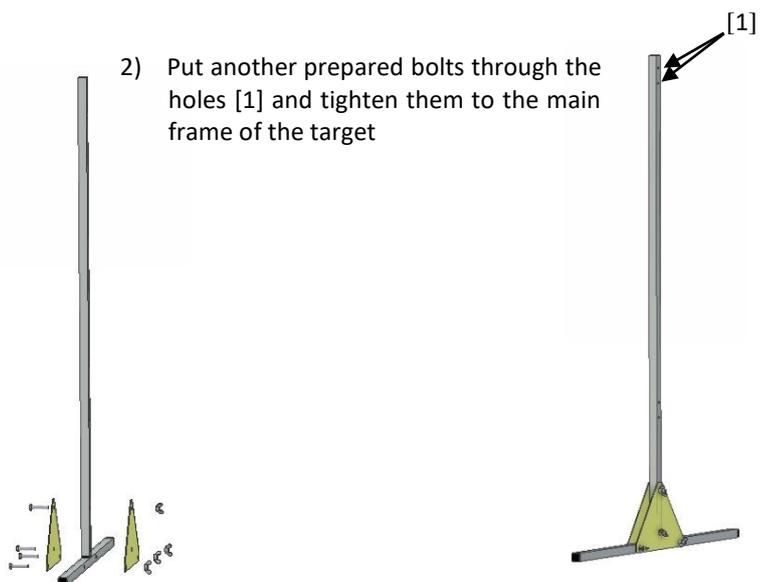
3) Lastly there are 4 allen key bolts on the bottom of the alluminium arm with the electronics. Place the prepared bolts in and screw them in using the allen key from the tools box.

- Plug in the power adapter to the base of the target.
- The connector must be inserted all the way in. The target will be ready to use in about one minute after the Wi-Fi shows up.

- Data for connection to the Wi-Fi can be found on the production label on the back of the base of the target.

```
     A   P   E   O   M
WIFI:    Maxi_ATARGET_149
Pass:    ApeomTarget
Addr:    192.168.1.1
```

4. Wi-Fi connection:

- Turn on Wi-Fi connection in your device (PC, notebook, phone, tablet etc..). Choose the target´s Wi-Fi, for example *MAXI_ATARGET_149*. (your Wi-Fi name will change depending on its number from the manufacturer)
- For connection you will need to type in the Wi-Fi password. It will be written on the production label as Pass, for example *ApeomTarget* .
- Be aware that after connecting the power supply to the target, it will first create the Wi-Fi which will quickly disappear. That is normal. After a while, the Wi-Fi will be created again and now it will stay on and you can connect to it.
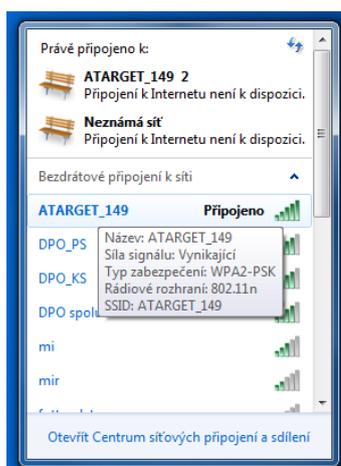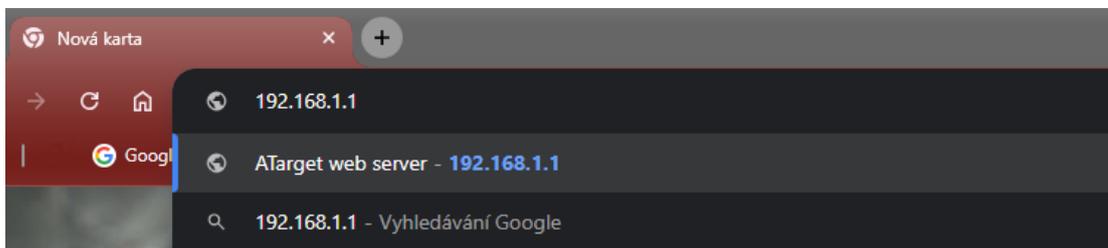
Choosing the right Wi-Fi
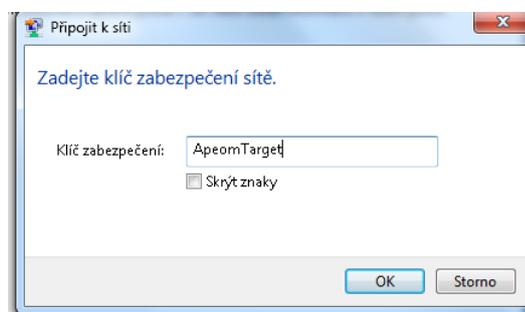
Wi-Fi password

- Open your favourite web browser and type in the IP address written on the production label. For example *192.168.1.1.* and enter it.
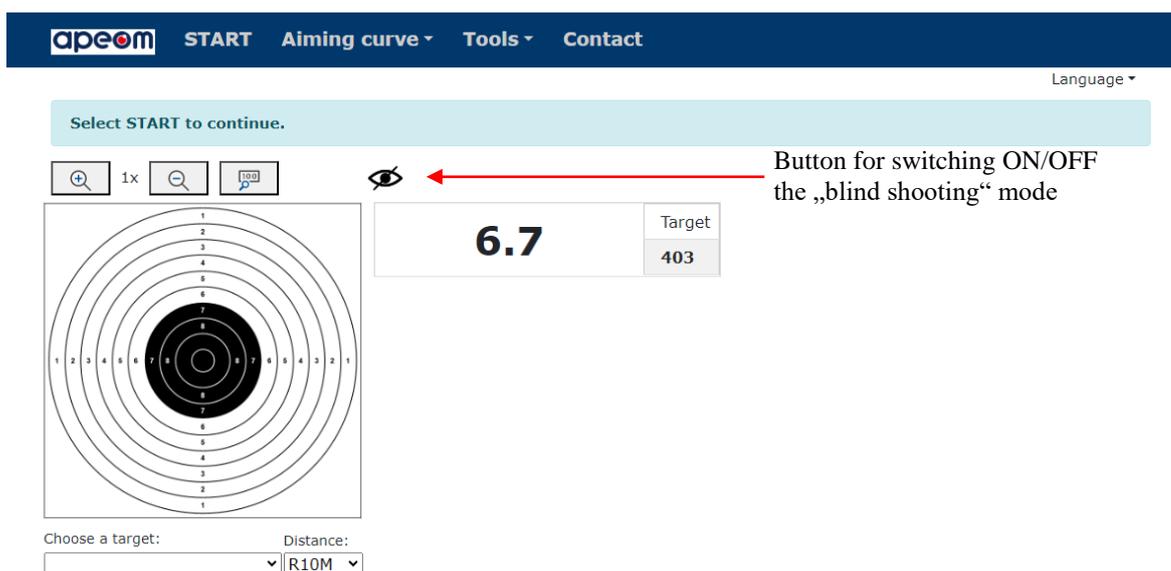

Connecting to the web results

- The title page of the program with a target will appear and the target is ready to use.

5. Operation:

a.) MAIN MENU

In main menu you have access to start the shooting, change the shooting discipline or to print the results of the last shooting.

Main menu

By clicking on the eye you can change between normal and "blind shooting" mode of the target. In "blind shooting" mode, the target will read out loud every score and position of the shot.

b.) LANGUAGE

You can choose from 4 languages. English, French, Czech, Slovak and Polish.

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c.) SHOOTING DISCIPLINES

When you press the name of the current shooting discipline, shown in the main menu, you can change that to many other disciplines. All depends on the software you have paid for and been provided with. The current shooting discipline will always be shown on the main page.

Please note that the **Aiming curve** is in the "Other" section.
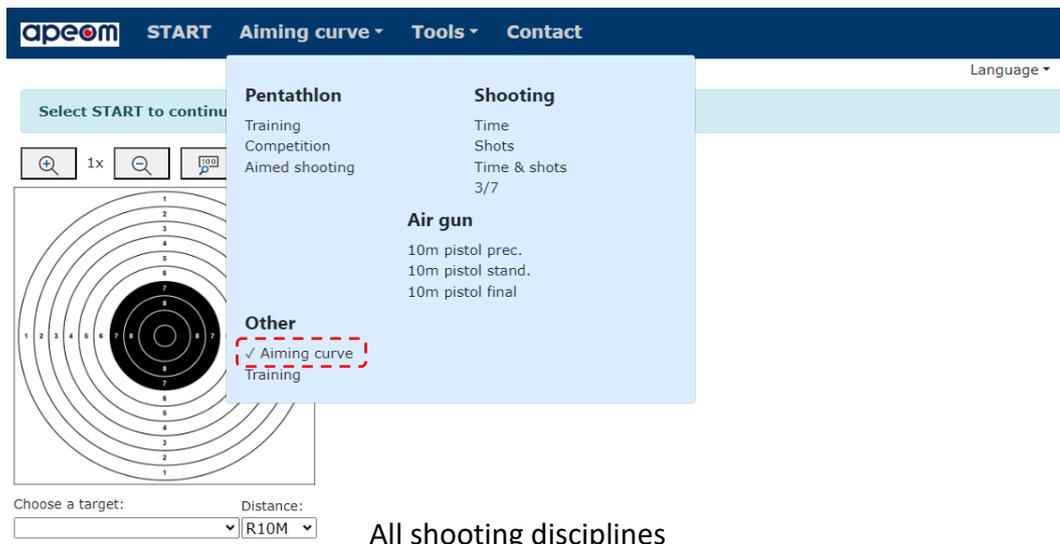
All shooting disciplines

d.) AIMING CURVE

With our special pistol or rifle made for the aiming curve, you can use it with this target. When you first fire the gun, the laser will turn and stay on. Then you aim at the target. With your next shot, the laser will quickly flash and then turn off.

In the target picture and then 2 graphs you can see you whole movement of the gun before and briefly after shot.
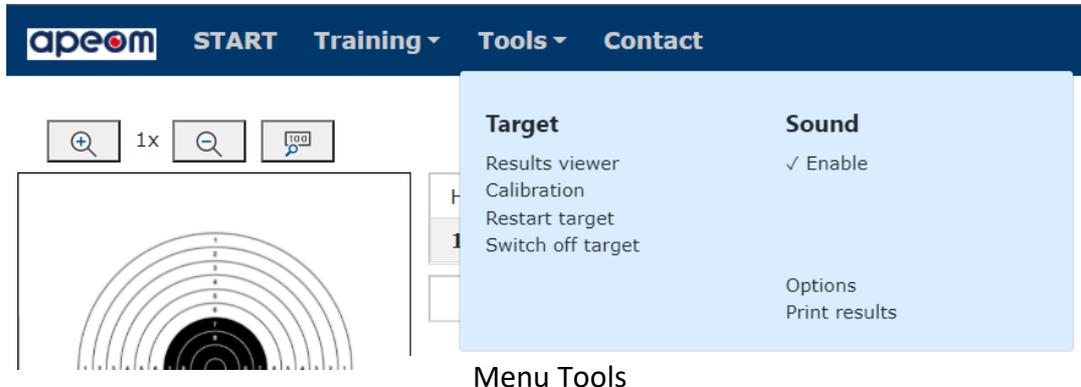
This function helps you tremendously with understanding how you aim.
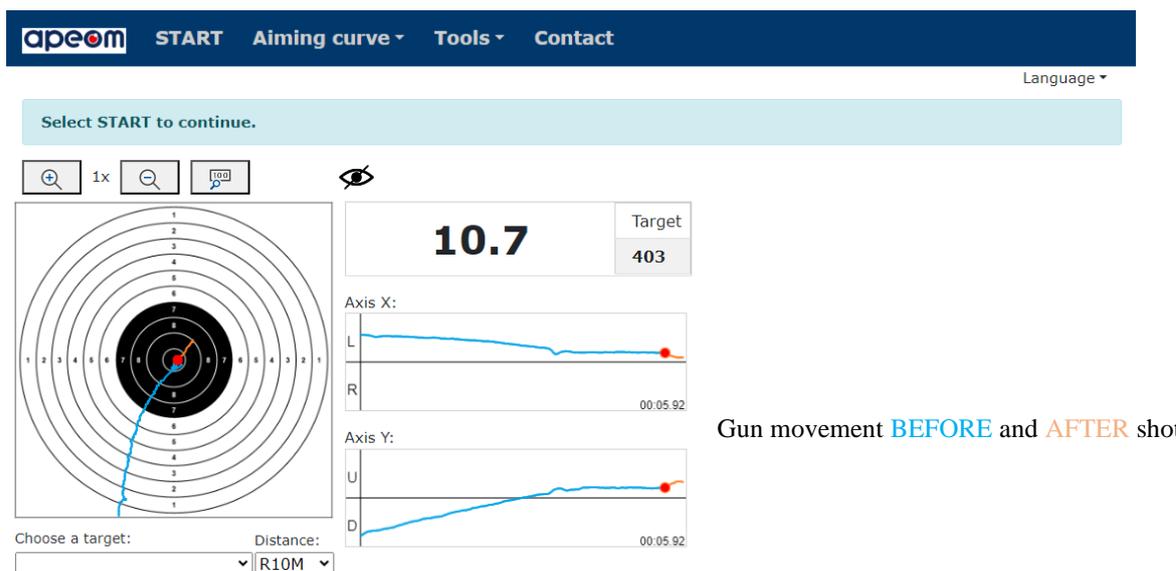

Gun movement BEFORE and AFTER shot

e.) TOOLS

In the Tools menu, the window will show up. There you can find functions like restart or switch-off the targets as well as turning the sound effects on and off.

Menu Tools

By clicking on Results viewer a database with all the previous shooting results will show up. Left from the target there is a column where you can access exactly the results of the shooting you want. Right from the target the results will show up. The results contain number of shots, points and shooting times.
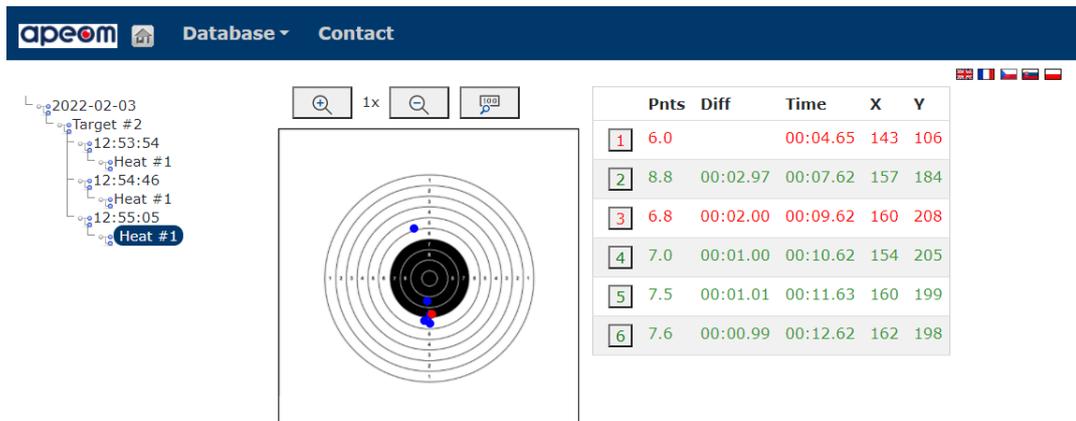
Results viewer

By clicking on Calibration you can recalibrate your target. The centre of the target can be calibrated incorrectly either due to mechanical damage or other causes. In this menu the target can be recalibrated so the results will be precise again. The user has the ability to move the target to 4 directions with buttons. The camera footage will show up and you can see the whole calibration net. Always make sure that the center dot is right in the center.

Don't forget to always save the current calibration if you want to keep it. Also you can always set it to default setting if something goes wrong. Only a manufacturer or an authorised service can move the dots individually if necessary.

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By clicking on Restart target you can restart the inner electronic system / the inner PC. This is suggested when the target is doing something it should not.

Do you really want to restart target?

Yes   No

Target restart

By clicking on Target turn off you can switch off the inner electronic system / the inner PC. This way you can safely turn off the target when you are done shooting.
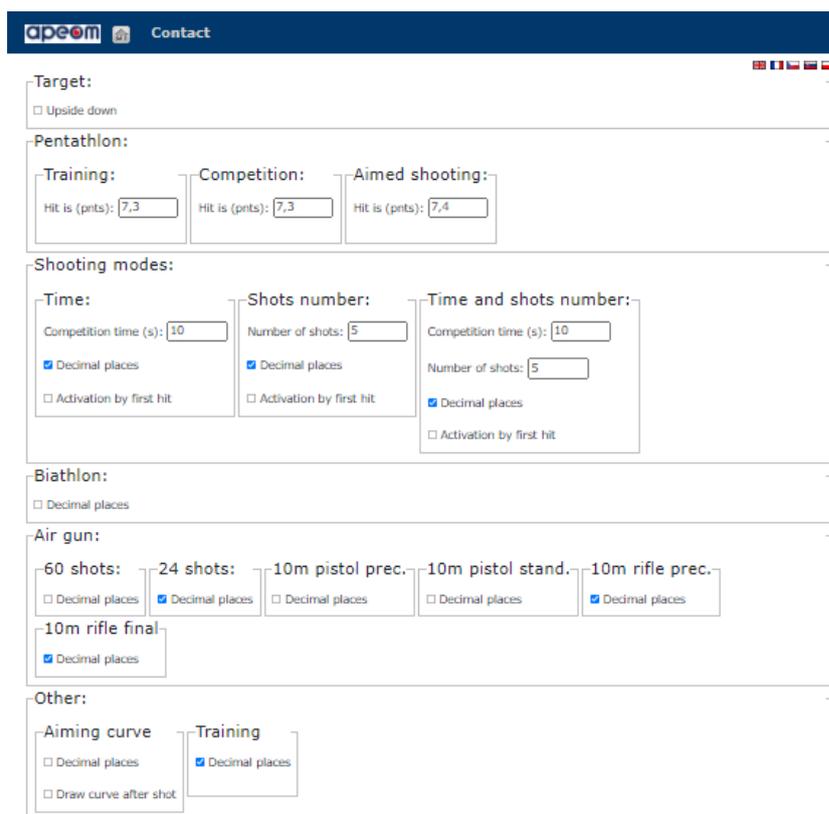
Do you really want to turn off target?

Yes   No

Target turn off

By clicking on Sound you can turn on or off the sound effects the program is making.

By clicking on Tools a window where you can adjust the parameters of each shooting discipline will appear.

Shooting disciplines parameters

By clicking on Print results a window with shooting results will appear. There you can add shooters name and print the whole setup.
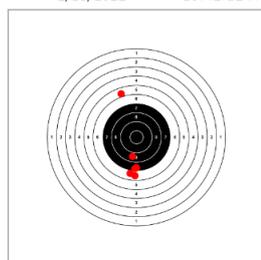
Results printing

6. Shooting:

Even though the shooting is done by „safe laser", always obey all the rules of handgun handling and be careful- as in chapter n. 1.

Mini MaxiAtarget supports many shooting disciplines. Depending on current shooting discipline, different values will be shown on main page. During shooting you can see results such as place of impact, accuracy, shooting times and the orientation in which you moved the gun after firing.
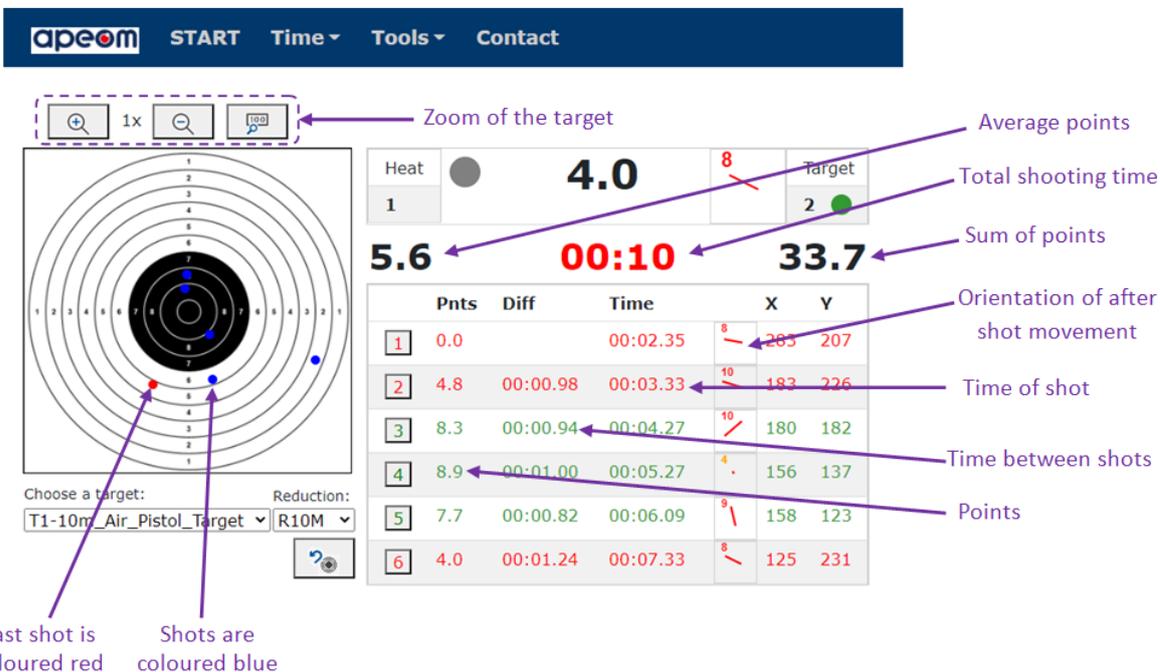

During shooting the lighting should remain constant. This prevents false "shots" being shown.

By clicking on Start the results will erase and new shooting will start.

7. Special provision:

- The target is equipped with sealing stickers. Any damage to these stickers will break the Warranty and the manufacturer/seller has no further responsibilities of the targets. Also no warranty repairs will be available for the client.
- Target also has its unique production label. If damaged or lost, you can be provided with a new one.
- On the production label there is also a CE marking.
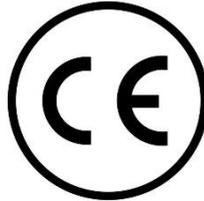
8. Service and maintenance:

- Always try to keep the target area clean.
- For cleaning use a regular soft (microfiber) cloth without any chemicals, cleaning solutions or solvents.
- Keep the base of the target away from excessive moisture and water.
- Make sure to prevent any possible damage to the window with the sensor (located on the top of the target´s base). This area can also be cleaned if necessary with a dry microfiber cloth.
- To power the target, always use a recommended power adapter 12V/1 or 2 A.

9. Technical parameters:

dimensions of target area	50x50 cm
mounting	alluminium body
power source	12V/1A
modes	Competition/Training/Blind shooting/Aiming curve
connectivity	Wi-Fi
ingress protection code	IP52
operating temperature	+5°C - +35°C