
pentashot

Operating Instructions

GLS 17

Safety notes and important information 4
Description 5
Preparing laser simulator for use 6
Technical data 11
Warranty 13
Storage 14
Spare parts 14

Safety notes and important information

Keep the emitters clean by wiping the dust out of them with a dry cloth. Never use any cleaning agents, solvents or chemical preparations. Do not push the emissive hole optic with any object.
Regularly check the condition of the battery inside the simulator body to make sure it does not corrode or leak.
If you will not be using the simulator for more than one week, you must remove the battery. Also remove the battery before traveling by plane.

BEFORE USAGE

- The simulator must be used in accordance with these Instructions only. Never use the simulator for purposes other than those for which it is designed. Failure to follow these instructions may expose the user to dangerous laser radiation.
- Do not break the security stamp, otherwise you will lose the warranty on the product.
- When in public, carry the simulator in its original case or in a bag. Persons not familiar with this type of simulators may mistake it for a regular weapon and alarm the police.

DURING USAGE

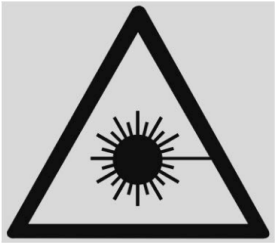
- Never aim at people, animals or uncontrolled areas.
- While handling the simulator, observe the general rules for manipulation with a real weapon.



WARNING! Failure to follow the above stated instructions may expose the user to dangerous laser radiation.

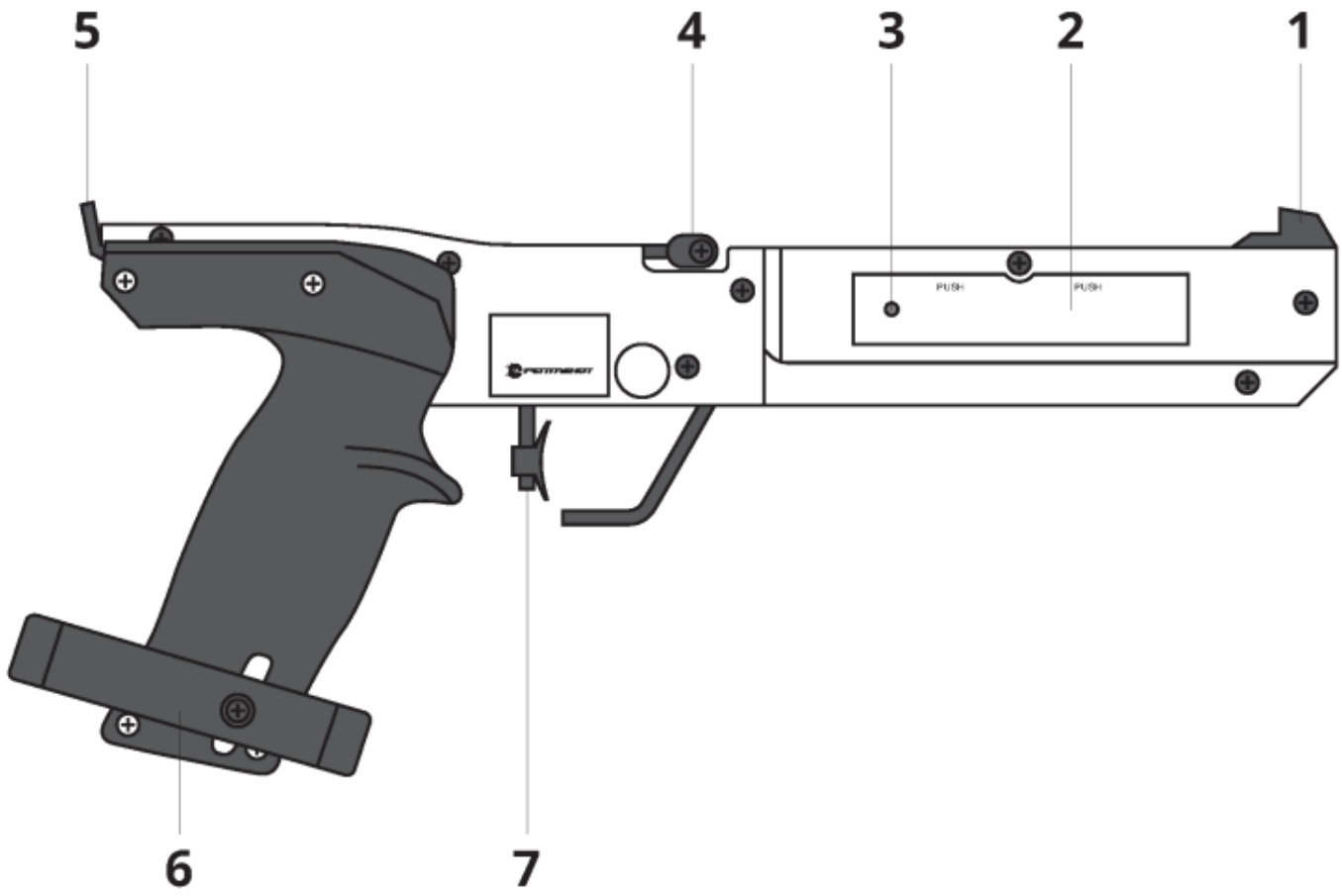
AFTER USAGE

- Bewahren Sie den Simulator nach der Verwendung in dem Originalkoff er auf.
- Schützen Sie den Simulator gemäß den UIPM-Regeln vor direkter Sonneneinstrahlung und Regen



LASER RADIATION
DO NOT LOOK DIRECTLY INTO THE LASER BEAM!
CLASS I. LASER DEVICE

Description



1 — Front sights
2 — Battery cover / battery
3 — Battery status LED indicator
4 — Loading lever
5 — Rear sights
6 — Ambidextrous grip
7 — Trigger

PURPOSE

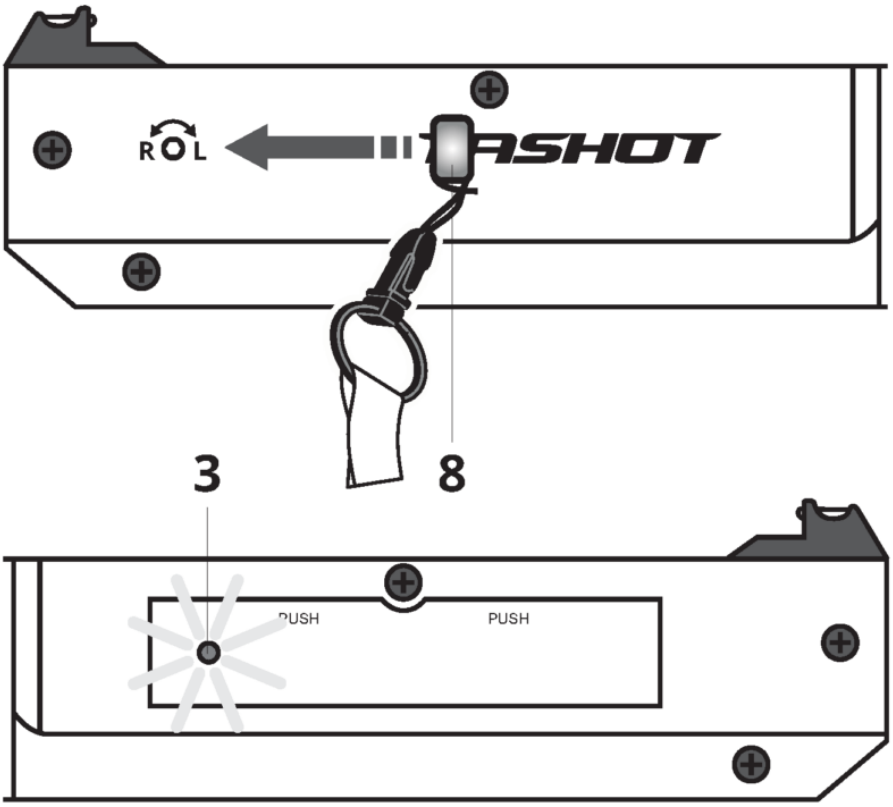
The GLS 17 laser simulator is designed for use at instructional courses, trainings or modern pentathlon competitions. It is intended for laser beam shooting initiated by a trigger.
The GLS 17 laser simulator employs the FLPM20 laser module with a 15.6 ms code as an emitter. The code is fully compatible with the International Modern Pentathlon Union (UIPM) standards

Preparing laser simulator for use

SWITCHING ON

Attach the chip (8) to the simulator body and move it from right to left. This will switch simulator ON and the LED (3) will fl ash. The number of fl ashes indicates the battery status:

- 5 fl ashes – the battery is 100% full
- 4 fl ashes – the battery is at 75% charge level
- 3 fl ashes – the battery is at 50% charge level
- 2 fl ashes – the battery is at 25% charge level
- 1 fl ash – the battery is discharged, replace it



After the battery test, the LED light remains constantly blue to indicate the laser is on and ready for use.

The LED fl ashing continuously blue means the battery is discharged and it should be immediately replaced.

SWITCHING OFF

The laser container will switch off approximately 20 minutes after the last shot. In case you need to switch it off immediately, remove the battery from the simulator body.

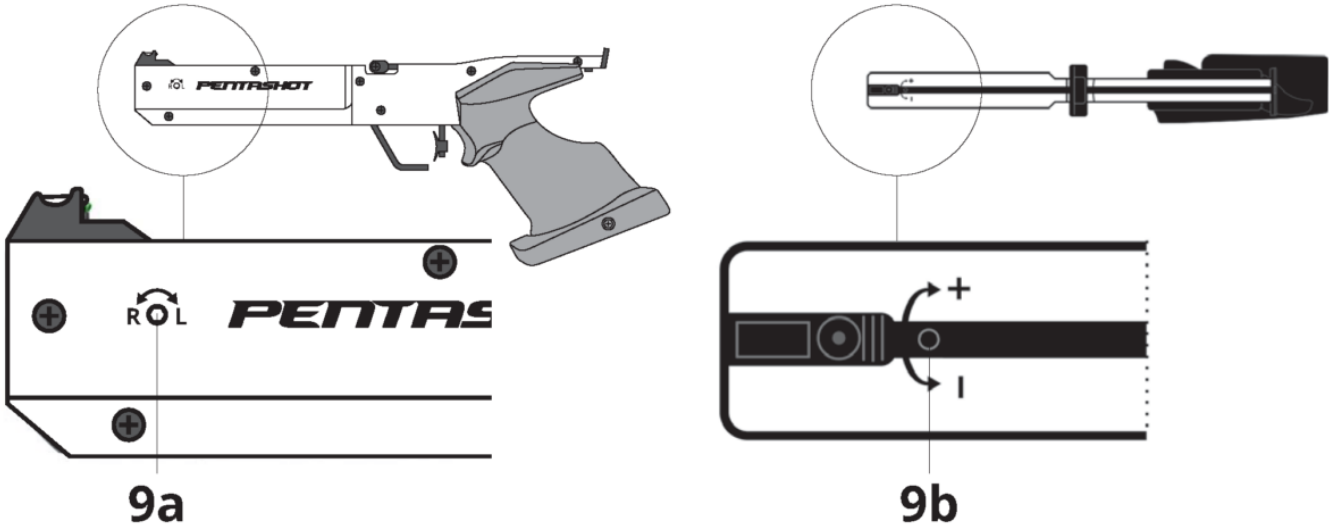
SETTING THE SIGHTS (ALIGNING THE LASER DOT)

To adjust the simulator sights, aim at a white wall or a white object from a distance of 10 meters and check the alignment of the red laser dot and simulator sights. If necessary, use the adjusting screws to align the laser dot:

- Turning the screw (9a) clockwise

- Turning the screw (9a) counterclockwise
- Turning the screw (9b) clockwise
- Turning the screw (9b) counterclockwise

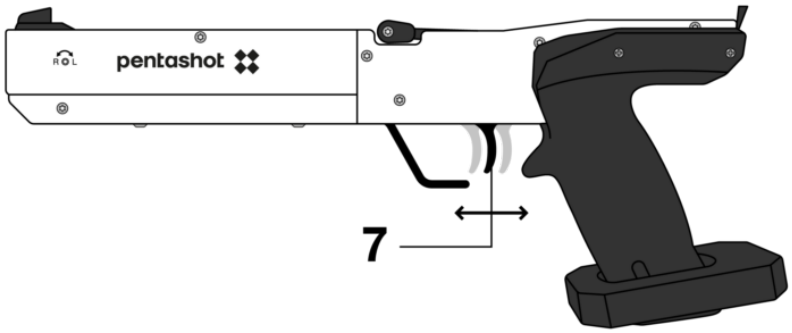
- laser dot moves to the left
- laser dot moves to the right
- laser dot goes upward
- laser dot goes downward



IMPORTANT: The movement of the adjusting screws must be very small. One turn of the adjusting screw moves the laser dot by approximately 20 cm at a 10m distance.

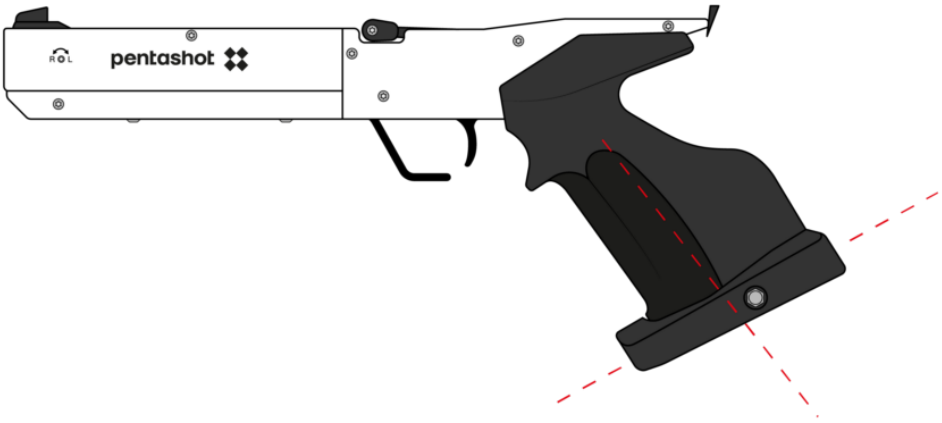
SETTING THE TRIGGER POSITION (ONLY FLP)

There are three available trigger positions. Unscrew the trigger (7) and screw it into position more suitable for you.



SETTING THE GRIP ANGLE (ONLY ANATOMICAL GRIP)

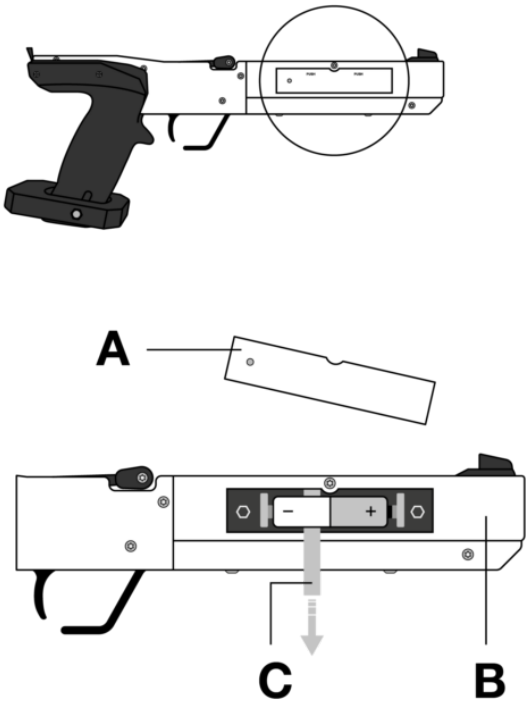
Use the supplied hexagonal key to loosen the small screw on the simulator grip bottom. Set a new position of the grip and fi x it by tightening the small screw.



BATERRY REPLACEMENT

When the LED indicator fl ashes once or is constantly fl ashing, replace the battery.

- Press your thumbes on the places marked “Push” and lower the battery cover until it is completely removed.
- Remove the discharged battery using the ribbon and insert a new one (AAA 1,5V). Pay attention to the correct polarity of battery!
- Reinstall the cover (A).



UPDATE FUNCTION

Only the manufacturer has access to the laser simulator software.

Technical data

Dimensions	355mm x 150mm x 50mm
Simulator type	single-acting, laser
Weight	650 g lighter version GLS 17 “K” 780 g with universal handle 830 g with anatomical handle

Shooting distance	From 3 m to 10 m
Laser class	I. (per EN 60825-1:2014)
Laser class certifi cation	No. 1140735 (Electrotechnical Testing Institute, Czech Republic)
Laser module	FLPM20
Laser signal	15.6 ms UIPM laser signal
Wavelength	650 nm
Diameter of laser beam	4 mm ± 5 % / 10 m
Minimum laser power with weak battery	2,5 mW
Minimum laser power with new battery	3,2 mW
Emitter power supply	1.5V AAA alkaline battery
Number of light shots per AAA battery	50,000 at 20°C
Operating temperature	From 10°C to 50°C
Update function	Software at manufacturer

THE USER CAN ONLY SET OR MAINTAIN THE FOLLOWING:

- set the simulator sights (the laser dot)
- set the trigger position
- set the grip angle
- change the battery
- change the simulator stock

It is forbidden to open or modify the laser simulator, with the exception of changing the battery or grip. The Laser beam parameters can only be changed by the manufacturer or an authorized person. The simulator owner must confi rm his consent to the change in writing. The manufacturer does not assume responsibility for any damage that would arise from the change.

Warranty

A warranty repair shall apply exclusively to defects that have provably arisen during the eff ective warranty period, namely as a result of a material defect or a manufacturing defect. Defects arising in such a manner may be remedied only by the manufacturer or an authorized maintenance and service center. The buyer can make a claim under the warranty against the manufacturer or authorized dealer, as the case may be.

The warranty period shall become eff ective on the day of purchase or delivery of the Goods to the Buyer, and the warranty remains valid for 24 months.

In particular, the following cases are excluded from the warranty repair:

- The product has not been returned to the dealer/manufacturer with the proof of purchase.
- Wear and tear due to the use of the product or damage to the product (incl. damage caused by unskilled installation, improper commissioning, non-compliance with the procedures defi ned in the instructions for use, etc.).
- Damage to the product caused by contamination, an accidental or disaster event or occurring as a result of natural or external events such as a storm, fi re, water, excessive heat or chill, ingress of a liquid, etc.
- Mechanical damage to the product (e.g. caused by fall, breaking, etc.) or damage arising during the transportation.
- Damage, unauthorized design modifi cations, improper modifi cation of the product or any other interventions in the product conducted by unauthorized persons or maintenance and service centers.

Storage

It is very important to store the laser simulator under the correct conditions to keep it in good, reliable condition. Always do the following:

- Before storing the simulator for an extended time, always remove the battery. This prevents internal damage to the simulator if the battery leaks.
- Store the simulator in the original packaging (case) in a dry, dark place out of reach of children.
- Do not place any heavy objects on the case, or items that may leak fl uids.
- Protect the simulator from weather, including frost and moisture. The optimal storage temperature is between +5 and +30° C. The storage location's air humidity must not exceed 60%. Do not store the simulator in a damp environment where there is high risk of corrosion.

Spare parts

The following replacement parts are available for the simulator:

- front sights
- stock
- plumb
- trigger

Order replacement parts by e-mail from business@pentashot.eu or from PENTASHOT partners and dealers. A list of them can be found at www.pentashot.eu.

Only the manufacturer or an authorized individual has the right to replace the simulator's main parts (optics and electronics, including parts of the trigger mechanism).

Disposal



Once the laser simulator ends its lifetime, do not dispose of it along with other household waste. Take it to a waste disposal site of raw materials or let it be disposed at a specialized company capable of recycling such a material.

The used battery must not be thrown into a standard dustbin. Collect all used the batteries and dispose them at specialized collection points.