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Hit & Miss target

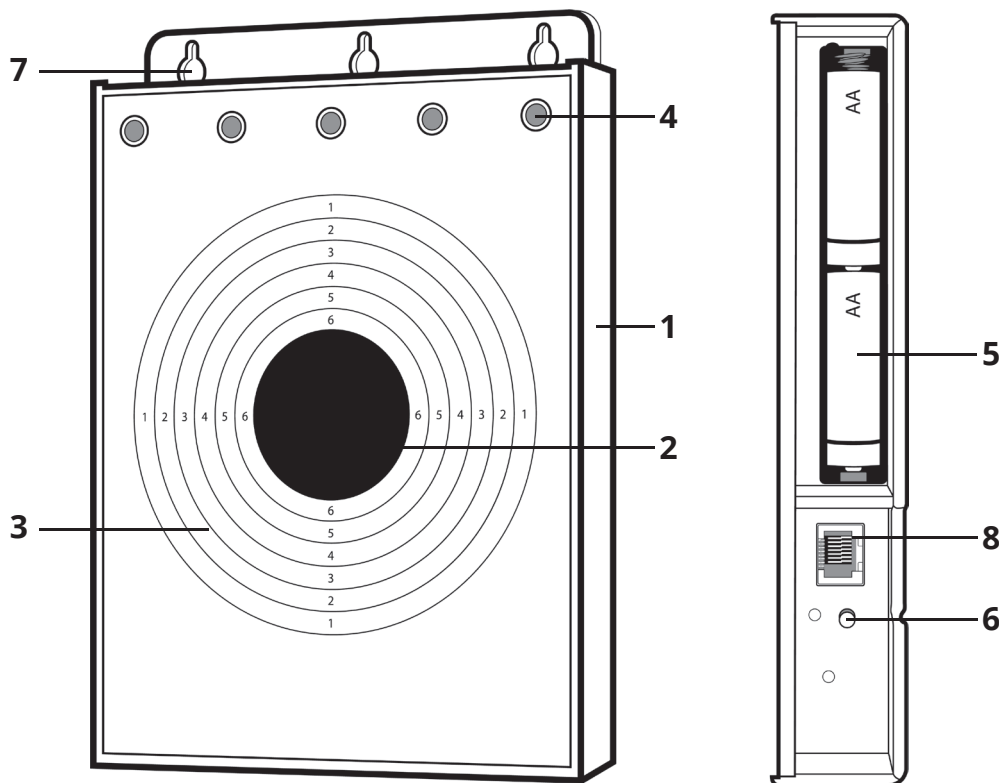
OPERATING MANUAL



SAFETY NOTES AND IMPORTANT INFORMATION

- Before using, read the operating manual thoroughly.
- Use the equipment as indicated in the operating manual.
- The target should be positioned such that the sun's rays do not directly reach its front surface (UIPM rule B.5. 15. i).
- Only PENTASHOT external lights can be used with this target.
- The laser target is opto-electric equipment and dismantling it is forbidden!
- When using the target in a room with artificial light, the target may not function properly if the light source has a frequency of 40 kHz.
- Shooting with a laser emitter with lesser quality optics from less than 5 metres in low light can cause incorrect shot evaluation results.

DESCRIPTION



1	Hit & Miss target
2	Hit zone
3	MISS zone
4	LEDs
5	Battery
6	On/Off button (START)
7	Mounting holes
8	Connector for external lamps and programming cable

PURPOSE

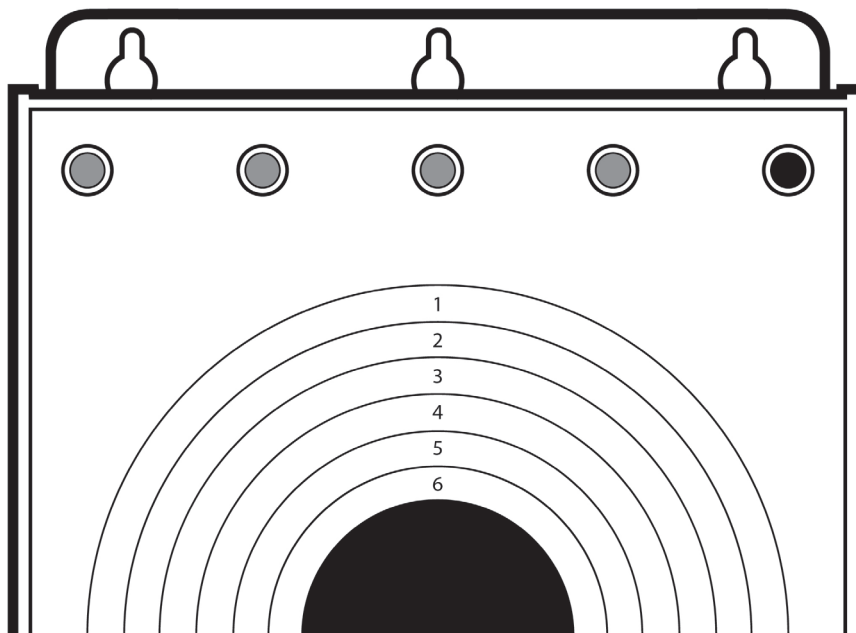
The Hit & Miss target is for instruction, training and competition for the laser run in modern pentathlon. The target evaluates the laser beam shot to the hit zones. A shot to the hit zone is signalled when a green LED lights up. A shot to the miss zone is signalled when a red LED lights up. Shooting time is 50 seconds from the first shot to the target's front surface. After 40 seconds, the first LED on the left flashes slowly for 5 seconds, and after 45 seconds it starts to flash quickly. After 50 seconds, all LEDs flash for 5 seconds. All LEDs also flash after the fifth successful shot to the hit zone. The target runs on two 1.5V AA batteries.

! *The target can be shot with any approved emitter with a valid UIPM code.*

PREPARING THE TARGET FOR USE

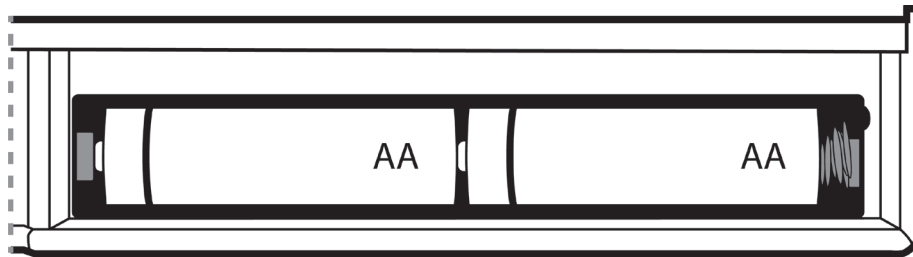
Insert two 1.5V AA batteries into the battery compartment — CAUTION: Make sure to get the polarity right (according to the instructions on the sticker in the battery compartment). Place the target on a level surface or use the holes to hang it on a wall or other prepared surface. Turn the target on with the START button. After it is turned on, first the green LEDs go on and then the red ones (for just a few seconds). Then the target automatically checks its battery status by lighting up the green LEDs:

- 5 green LEDs – fully battery
- 4 green LEDs – battery at 75%
- 3 green LEDs – battery at 50%
- 2 green LEDs – battery at 25%
- 1 green LED – battery dead; replace it



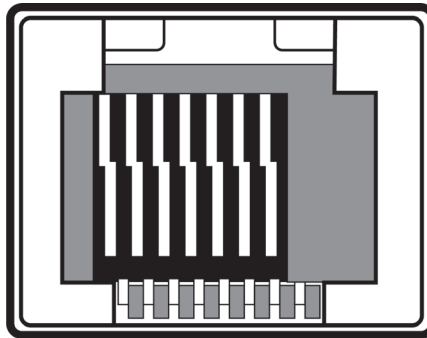
You can start shooting at the target. The target automatically shuts off 20 minutes after the last shot. The target can also be turned off by pressing the START button for about 5 seconds. An audible signal shows it has been turned off.

BATTERY COMPARTMENT



CONNECTING TO EXTERNAL LIGHTS

The target can be connected only to NAVISTREET external lights through a UTP cable and connector. When connected, the target is powered from the lights, and the battery power is automatically shut off.



UPDATE FUNCTION



The target can be updated only by the manufacturer or an authorized person. A computer with the update or service software can be plugged to the connector.

PLACEMENT OF THE TARGET

The targets must never be placed where sunlight directly reaches the target surface, because this will disturb its operation. This also applies to use during competition (UIPM rules, B.5. 15. i).

TECHNICAL PARAMETERS

Parameter	Value
Dimensions	270 mm x 190 mm x 32 mm
Size of HIT zone	∅ 59.9 mm
Size of MISS zone	180 mm x 175 mm
Weight	684 g with batteries
Shooting time	50 seconds (one round)
Power source	Two 1.5V AA batteries (alkaline recommended)
Laser code type	UIPM laser signal 15.6 ms or 25.2 ms
Sunlight resistance	120,000 lux
Compatible external lamps	NAVISTREET
Operating temperature	10°C to 50°C
Data output format	UIPM open target protocol

STORAGE

It is very important to store the Hit & Miss target under the correct conditions to keep it in good, reliable condition. Always do the following:

- Before storing the Hit & Miss target with a laser emitter connected for an extended time, always remove the battery. This prevents internal damage to the simulator if the battery leaks.
- Store the Hit & Miss target 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 fluids.
- Protect the Hit & Miss target 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.

WARRANTY

A warranty repair shall apply exclusively to defects that have provably arisen during the effective 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 effective 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 defined 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, fire, 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 modifications, improper modification of the product or any other interventions in the product conducted by unauthorized persons or maintenance and service centers.

DISPOSAL



Once the Hit & Miss target 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.





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