

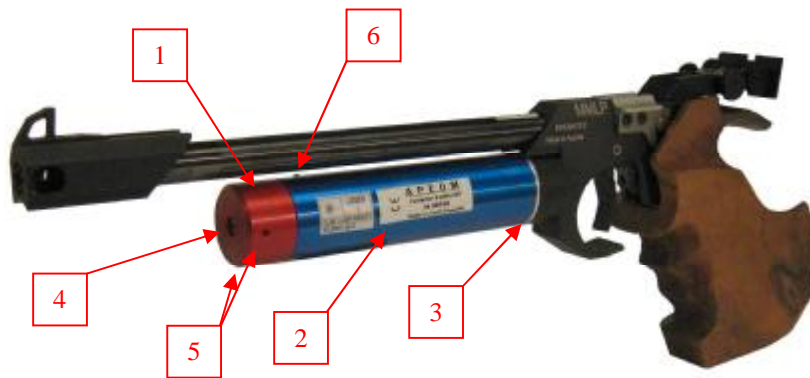
LASER PISTOL MMLP & CONTAINER EMITTER MP

INSTRUCTION MANUAL

Safety measures

- Read this Instruction Manual carefully before first use of the product.
- Only use the device as specified in this Instruction Manual.
- Never mount the device on any firearm that contains ammunition.
- Prior to mounting the device, always check whether the firearm contains no ammunition.
- Never aim at people, animals or to an uncontrolled area.
- Observe general rules for weapon handling while operating the weapon.
- The emitter is an electronic device; do not disassemble it.
- Use the device for the purpose stated in this Instruction Manual; do not use it to serve any other purpose.
- Do not look into the emitting opening of the emitter.
- It is forbidden to remove from the body emitter laser diode and electronics.

Description



- | | |
|------------------|----------------------|
| 1. Head | 4. Emission hole |
| 2. Body tube | 5. Adjustment screws |
| 3. Adapter piece | 6. Tube screw |

Purpose

The Container Emitter is designed to serve the purpose of education, training and shooting competitions. The device is designed to emit a laser beam once the weapon trigger is pressed. The Container Emitter fits various types of pistols using the proper adapter piece.

Set-up

Unmount the air container and replace it with the Container Emitter. Check whether the adjustment screws are oriented to the left and down. If they are not, use an Allen key to loosen the two body tube screws /6/ and turn the head /1/ so that one adjustment screw /5/ is oriented to the left and the other down. Tighten the screws carefully.

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Check the weapon's sighting by shooting at a white plate from a distance of 10 metres. The shot appears as a red point on the white plate. Adjust the weapon's sights to align the red point with the sights.

If adjustment by the weapon's sights cannot be performed, adjust the Container Emitter using the adjustment screws /5/. Insert an Allen key in the adjustment screw /5/. For lateral adjustment, use the left screw, for vertical adjustment, use the screw pointing downwards. Turn the key clockwise to move the red point to the right or upwards, turn the key counter-clockwise to move the red point to the left or downwards. Turning the key 180° moves the red point by approximately 10cm. Do not apply excessive force when turning the key.

If the red point cannot be moved further in the desired direction, loosen the body tube screws /6/, turn the head 180°, tighten the screws /6/ and perform adjustment again. In this situation, the red point will be moving in directions opposite to those mentioned above.

Batteries

Do not charge the batteries. This would pose a risk of leaking electrolyte or explosion.

Use the batteries only in intended electronic devices. In case of using an unsuitable battery, the equipment may be damaged or destroyed.

Keep the batteries out of humid environment; this would pose a risk of leaking electrolyte due to corrosion of the case. The electrolyte is a strong caustic that causes alkali burn in contact with skin.

Do not use damaged batteries.

Be careful when handling the button cells due to their small dimensions.

Keep the batteries out of children.

Observe correct polarity (+ -) of the batteries, do not short-circuit.

Do not throw batteries into fire, do not solder, do not disassemble.

Do not mix batteries of different type or age, the batteries discharge faster.

Store the batteries in a dry place under temperatures between 5 - 30 °C.

Take the batteries to a collection centre for hazardous waste or collection points.

Rules of Operation

Never aim at people, animals or to an uncontrolled area – observe general rules for weapon handling while operating the weapon.

If the emitter is not to be used for a prolonged period of time, remove the batteries.

Protect the emission hole optics from damage.

Emitter has a protected class of IP52. When using the device, the user is obliged to observe the rules of UIPM, in particular the section 5.9.4 vi.

Maintenance

Keep the Container Emitter clean, wipe any dust with a dry cloth. Do not use cleaning products, solvents or chemical agents. Do not exert pressure on the optics of the emission hole. Store the emitter so as to prevent clogging of the emission hole.

Replacing Batteries

Unmount the Container Emitter from the firearm. Use an Allen key to loose the two opposing screws of the body tube /6/. Loosen the screws alternately. Only loosen the screws – do not remove them. After the screws have been sufficiently loosened, remove the head /1/ from the body tube /2/. Unscrew the battery holder /7/ and remove the batteries /8/. Insert new batteries. Observe polarity. Use AG13 cells or equivalent.

Attach the head and press it in place. Alternately tighten the body tube screws until they hold the head in place. The head must be free to rotate after the screws have tightened. Mount the Container Emitter on the firearm and turn the head so that one adjustment screw points down and the other to the left. Turn the Container Emitter on the firearm so as to tighten the body tube screws /6/.



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Once again, press the head in place and tighten the body tube screws – proceed carefully. Complete the mounting of the Control Emitter on the firearm. Perform a testing shot, adjust if necessary.

Do not short-circuit the batteries, do not dispose of them in a fire. Do not combine batteries made by various manufacturers or of various ages in one emitter.

Possible defects and their rectification

Laser beam signature is barely or not at all visible.	Replace the batteries.
No response from the detector (sensor) to shot.	Check detector power supply replace the batteries.
Laser beam signature appears different from the gun sights.	Adjust the emitter.

CAUTION – Using different checks, settings or operating procedures than the ones mentioned above may lead to dangerous radiation exposure.

Environment

Remember, never put batteries in waste. Only dispose of batteries in designated places.

Specifications

<i>Parameter</i>	<i>Value</i>
- Laser type	semiconductor
- Laser class	CLASS 1 LASER PRODUCT
- Wavelength λ	635nm - 650nm +/- 5%
- Diameter laser dot	4mm +/- 0,5mm at 10m distanc
- Time between trigger release and the laser starts emitting the radiation	6ms
- Diameter of the lens output aperture (by manufacturer)	3 mm
- Output (P)	$\leq 3,4$ mW
- UIPM code	2015 – 16,5
- Emission duration	15.6 ms
- Carrier frequency	40 kHz
- Pulse ratio	1:1
- Impulse count and length	1 * 2.4 + 6 * 1.2 + 2 * 0.6 ms
 Container Emitter MP	
- Operating temperature	+10 to +42° C
- Weight (incl. batteries)	0.2 kg
- Emitter power supply	4.5 VDC (3xAG13 or equiv.)
- Number of shots per set batteries	80000 at 20°C
- Dimensions	$\phi 30 \times 136$ mm

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Laser Pistol MMLP

- Operating temperature +10 to +42° C
- Weight with Container Emitter 0,925kg
- Dimensions 400x140x50mm

Special provisions

The Container Emitter bears a warning-information label, label with serial number and seal stickers. Any damage to the label and/or seal sticker voids the warranty.

Label

The warning-information label is placed on the body tube.

