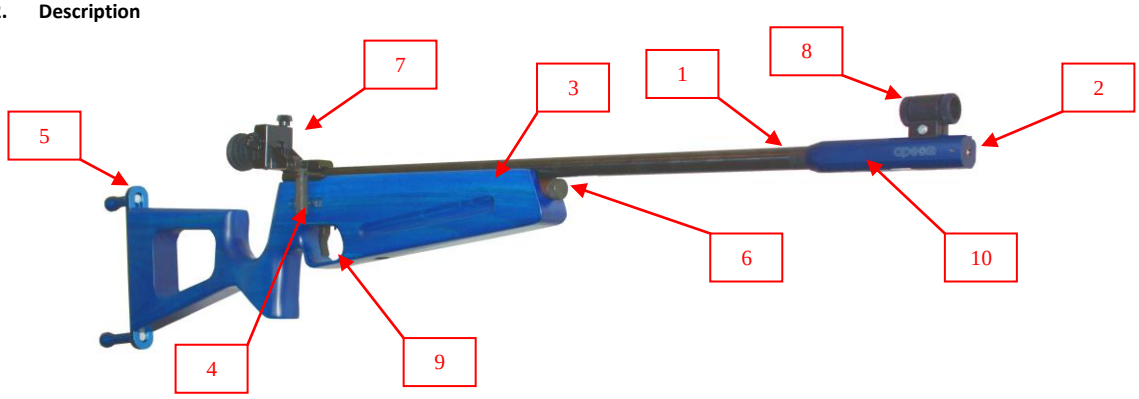
E L E C T R O N I C R I F L E E - G U N 1 0 3

OPERATING INSTRUCTIONS

1. Safety Measures

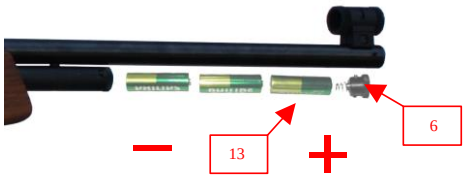
- Read carefully through the Operating Instructions prior to use.
- Use the equipment as specified in these Operating Instructions only.
- Never aim at people, animals or into uncontrolled areas.
- While handling the weapon, observe the general rules for manipulation with a weapon.
- The Buddy Electronic target range is an optoelectronic device, its dismantling is forbidden.
- Lead the control unit cable the way to avoid tripping while walking. A kind of injury or a damage of the articles may occur.

2. Description



1. Laser barrel *2. Radiating hole*
3. Stock *4. Coocking lever*
5. Buttplate *6. Battery cover*
7. Diopter *8. Front sight*
9. Trigger *10. Laser emitter*

2.1 Electronic rifle E-GUN 103



The electronic rifle is composed by the barrel with laser emitter, tension gear, and trigger mechanism, sights, gun stock and battery holder.

The tension gear is equipped with tension arm (*4*). Catching and moving the tension arm towards the body will cause cocking of the electronic rifle hammer which is held by hammer capture in the back position. Pulling the trigger, the hammer capture will loosen the hammer which hits the cup, and an optical beam is sent out.

The electronic rifle is powered from three batteries (*13*), AA 1,5 V type. To replace the batteries, the battery cover must be unscrewed.

See picture with indicated battery polarity. THE CORRECT POLARITY IS REQUIRED!

3. Designation

The electronic rifle is intended for sports and entertaining shooting during shooting races or leisure time organizing. The electronic rifle can be used both indoor and outdoor. Its outstanding feature is an easy control and a high safety.

4. Target range preparation

Plug in the control unit and then the power supply to the detector. Mark a firing line up to 10 meters from the detector. Check the gun firing by a checking shot at a white surface placed at the same distance as the detector. After firing, a red-dot optical beam mark appears at the white surface. If the dot appears elsewhere from your aiming, rectify the sights. We recommend to lead the checking shot from gun fastened in a holder or to shoot with support of the gun.

The sights rectification is effected on dioptre with knobs. Turn the knob slowly and do not pressure on turning intensely to avoid damage of the sights in outside position. If you can not rectify the sights and a falter is in outside position, refer to a producer requesting gun rectification.

5. Operating principles

Never aim at people, animals or uncontrolled areas – observing the general rules for manipulation with a weapon, as it was a live gun, is required.

Place the detector the way to avoid optical beam reflection from the base (table, etc.), i.e. at a front side.
In case of not using the electronic target range for a longer time, remove the batteries from the gun.

6. Maintenance

Keep the device clean by wiping the dust out of them using a dry rag. Do not use cleaning agents, solvents and chemical preparations. Do not push the laser emitter emissive hole with any object. Store the electronic rifle in such a way that the radiation hole of the laser emitter is not clogged.

The laser barrel has a blackening surface finish. Therefore, after each use, treat the laser barrel, except for the laser emitter, by wiping it with a cloth soaked in preservative oil, eg WD-40. Be careful not to clog the radiation hole of the laser emitter during the treatment.

7. Possible defects and their removal

The optical beam trace is visible with difficulty or not visible at all after shooting	Verify if the emissive hole is clean, or change batteries, or request a service.
Finding other defects.	Request a service.

8. Environmental protection

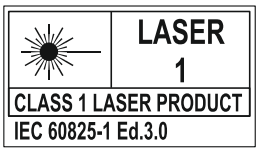
The batteries must not be dumped into a dustbin, hand them over at collection points.

9. Technical parameters

Parameter name	*Value*
• Laser class	I.
• Wavelength	650 to 670 nm
• Beam divergence	max. 1 mrad
• Power supply	4,5 V DC (3 x 1,5V, AA batteries)
• Number of optical shots	min 5.000.000 at the temperature +20°C with one set of batteries
• Shooting distance	up to 50 m
• Weight	2,7 kg
• Operating temperature	-5°C to +40°C

10. Other provisions

The safety of the laser emitter is verified by the Electrotechnical Testing Institute based in Prague.



Address
Mírová 24
703 00 Ostrava 3
Czech Republic

Phones
tel.: +420 596 614 795

Identification Numbers
IN: 25876911
TIN: CZ25876911

E-mail
info@apeom.cz
business@apeom.cz
Web: www.apeom.cz