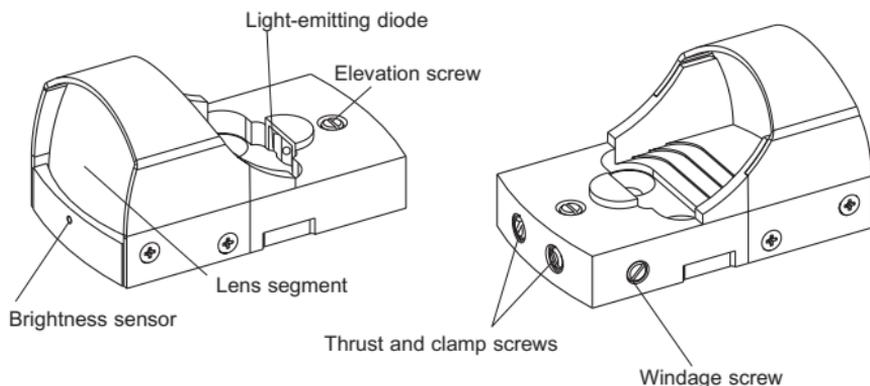


Optical path



DOCTERsight

ROTPUNKT-REFLEXVISIER • RED-DOT REFLEX



Applications

Hunting and special applications
Sports shooting and short-barrel guns

Operating instructions

The *DOCTERsight* you purchased - a **red-dot reflex sight** in open design - is a top-quality precision-mechanical device. The miniaturization of the device requires strict observance of the operating instructions to avoid malfunction and damage.

Scope of delivery

- 2 countersunk screws M3x8 with hexagon socket head for installing the sight on the mounting plate
- 1 Allen key for tightening the fastening screws
- 1 screwdriver 0.4 x 2.0
- 1 adjusting wrench with adjusting scale specific for the device
- 1 protective cap
- 1 Lithium battery 3 V, CR 2032
- operating instructions

Specifications

- **Magnification:** 1.07 x
- **Sight window:** 21 mm x 15 mm
- **Elevation adjustment range:**
4 degrees or 720 cm @ 100 m or 260 in @ 100 yards
- **Windage adjustment range:** 3 degrees or 540 cm @ 100 m or 195 in @ 100 yards
- **Set value for one scale division:**
1 minute of arc or 1 in @ 100 yards with 60 scale divisions per turn
- **Subtension of the aiming dot depending on the model:**
3.5 m.o.a. / 10 cm @ 100 m / 3.5 in @ 100 yards
7.0 m.o.a. / 20 cm @ 100 m / 7.0 in @ 100 yards
- **Parallax-free sighting distance:** approx. 40 yards
- **Recoil resistance:** at least 1000 g
- **Operating temperature range:** - 25°C to + 55°C / - 10°F to + 130°F
- **Storage temperature range:** - 40°C to + 70°C / - 40°F to + 160°F
- **Power supply:** 3 V with 1 x CR 2032 (Lithium)
- **Dimensions (L x W x H):** 46 mm x 25.4 mm x 23.7 mm
- **Weight (in operating condition w/o mounting aids):** 0.9 oz. / 25 grams

Warning

Remove, where present, the magazine and all ammunition from your firearm. Open the breech and ensure there is no round in the chamber. Point the firearm in a safe direction and decock it. Engage, where possible, the safety. Make sure to discharge the gun and put its safety catch on prior to mounting the sight. Avoid looking directly into the sun, light arcs or other high-intensity light sources to prevent eye damage. The equipment includes small components. Keep away from children!

Care and maintenance

Use lens-cleaning tissues for cleaning the optical surfaces. Never touch the luminous dot. Remove any dirt from it by blowing it off or using a very fine brush.

Design

The *DOCTERsight* features **compact tubeless design** and low weight without sacrificing performance.

Due to its small size and mass *DOCTERsight* can be **mounted directly** on short-barrel guns.

DOCTERsight provides the advantage that the sight-to-eye distance is selectable over a wide range. Thus, the *DOCTERsight* is equally **suitable for pistols and large-caliber guns**.

DOCTERsight offers a **large field of view** due to its low magnification. The sighting direction is not falsified in aiming.

DOCTERsight is firmly factory-adjusted **parallax-free to 40 yards**. This adjustment ensures that parallax-related aiming errors are minimized over a large distance range.

The sophisticated optical system of the *DOCTERsight* allows **high-quality imaging**.

The optics consists of two firmly connected glass lenses. The functionally important coating reflecting the aiming dot is applied to one of the inside surfaces which provides maximum protection against **scratches**.

Additional the outer surfaces of the lenses are antireflection coated with resistant layers.

All components and mounting elements exposed to mechanical stress are made of **high-grade materials**, such as stainless steel and hard-anodized aluminium alloys.

Models

DOCTERsight is available in two models with different overlaps of the light dots.

Model 3.5 m.o.a. overlap: hunting and
special applications

Model 7.0 m.o.a. overlap: sports shooting and
short-barrel guns

Start-up and installation

Have the *DOCTERsight* installed and the gun tried out and adjusted by a gunsmith. Attach the cover only after installation.

Start-up

The sight is powered by one commercially available **3V Lithium battery CR 2032** (included in standard equipment). Operation with two CR 2016 batteries is not possible and useful.

Insert the battery into the battery cavity on the underside of the housing so that the battery label identifying the positive pole is visible. The integrated electronics is, however, protected against wrong polarization of the cell through reverse insertion. To ensure reliable contact, a magnet pulls the cell onto the gold-plated contact plate on the printed-circuit board. Keep the contact surface clean (clean with spirit, if necessary).

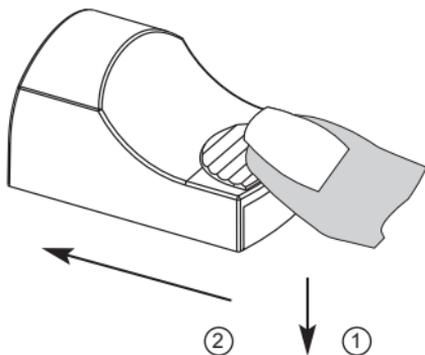
Battery replacement

For battery replacement, remove the complete device and turn it upside down. Take out the exhausted battery by placing the Allen key (or a screwdriver) in the notch located on the right-hand side as seen from the bottom. An renewed adjustment is not necessary because of the precision pins.

Power-saving mode

The device does not contain a separate ON/OFF switch. To operate the electronic circuit in the power-saving mode, attach the cover. Use the thumb to slide the cover off the *DOCTERsight* for use. With your thumb first push down on the cover's serrated section and then forward.

You may also store the device in a light-proof box to achieve the same power-saving effect thus allowing operation over a longer period.



Installation

Installation of the device requires the use of a separate adapter plate. Obtain the adapter plate for the respective gun from specialist shops. Install the device using the hexagon socket-head screws provided and the Allen key that is also included in the equipment. The underside of the housing contains flat bores for the accommodation of alignment pins providing defined positioning of the device.

Please put the protective cover on your *DOCTERsight* when cleaning your gun. This prevents gun oil aerosols from setting on the light-emitting diode or on the optical surfaces and makes sure that the shape of the dot does not change.

Operating procedure

Elevation and windage adjustment

The sighting device contains separate controls for elevation (vertical) and windage (lateral) adjustment. These are arranged on the top and the right side of the sight.

To adjust the sight, turn the slotted screws using the provided adjusting wrench with attached scale and the screwdriver 0.4 x 2.0.

The adjusting controls can be operated independently of each other. The available adjustment range allows both compensation of inaccuracies in mounting the sight and ballistic correction. The windage adjustment mechanism has limit stops at both ends.

Please note that in elevation adjustment the downward stop is available in mounted condition only.

Please note that the adjustment mechanism will be locked if you screw down the other adjusting screw each up to the stop.

Adjusting elevation and windage

(Refer back view-illustration to title)

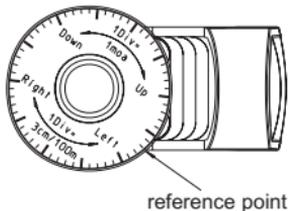
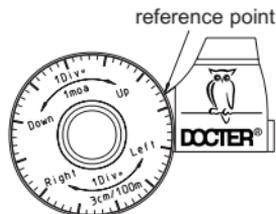
Before every adjustment of elevation or windage, make sure to loosen the lock of the adjustment mechanism to avoid damage to it. For this, turn the spring-loaded thrust and clamp screws on the rear side of the sight **a quarter of a turn** counter-clockwise away from the limit stop using a screwdriver 0.4x2.0. The adjusting controls must be smoothly movable.

Zeroing the point of impact

Adjust the point of impact using the provided scale disk with integrated screw-driver.

Put the scale disk onto the elevation or windage adjustment screws. The scale disk allows defined elevation and windage adjustment in both senses of rotation. Use any edge on the device as the reference line for the adjustment.

Turning the adjusting screws clockwise results in a downward respectively leftward shift target point. The shift of point of impact follows by turning clockwise upwards respectively to the right, in opposite direction therefore. The direction of the shift of the point of impact is indicated on the scale disk.



One scale division of this disk corresponds to 1 minute of arc or to 1 inch at 100 yards. For other shooting distances this value changes proportionally, for example:

0.5 inch at 50 yards or 0.1 inch at 10 yards.

Prior to shooting make sure to fasten the clamp screws on the rear side of the *DOCTERsight* with the enclosed screw driver 0.4 x 2.0 to secure the adjustment by applying little force only.

Integrated control electronics

The integrated control circuit adjusts the brightness of the aiming dot to varying light levels in the surroundings.

The brightness sensor on the front side of the sight senses the brightness in target direction. Depending on the detected light level the circuit controls the intensity of the dot so that it will not dazzle you in the dark while being easily visible even at daylight (brightness controlled).

The dot remains visible even in complete darkness. Take care not to obstruct the sensor while the sight is in use. Clean the sensor from dirt, if necessary.

Remark

Covering the sensor with your finger will affect the function of the control electronics only slightly. If you want to check its function, it is advisable to cover the sensor with a surface of the protective cover.

To ensure that the device is always ready for use, the circuit is so adjusted that the light-emitting diode will not go out even if it is completely dark. The energy consumption is so low then that a service life of about 4 years is ensured.

Ambient conditions

DOCTERsight is water-resistant, but not waterproof. *DOCTERsight* remains usable even if it is exposed to moisture.

The electronic and mechanical components are so designed that they can be exposed to water.

Such use conditions should however be limited in time, as otherwise the battery will automatically discharge and additionally an electrolytic reaction be started. After exposure to salty or dirty water, rinse the sight with distilled water and dry it subsequently.

Warranty

We grant the following 2-year warranty:

1. Remedy of any defects in material or workmanship will be free during the warranty period. We reserve the right to remedy the fault at our option by repair, replacement of defective components or replacement by a perfect product of the same design.
2. In the case of warranty claims, send the optical device prepaid along with the proof of purchase indicating the name and signature of your dealer and the date of purchase, and a brief note explaining the defect to your local *DOCTER* representative.
3. Improper use, tampering with the device, repairs by service workshops not authorized by the manufacturer will void the right to claim under warranty.
4. The warranty does not cover wear and tear, including damage to the surface of the device, worn components and any other item respectively accessory used in conjunction with the product.

The manufacturer is not liable for any farther-reaching direct or indirect damage, irrespective of the type and extent. The governing law is that of the Federal Republic of Germany. Jurisdiction is at the court of Jena. This in no way affects your statutory rights.



Analytik Jena AG
Optical Solutions
Niederlassung Eisfeld
Coburger Straße 72
D-98673 Eisfeld

E-mail: info@docter-germany.com