GPO

GERMAN · PRECISION · OPTICS

RANGEGUIDE 2800

10x50

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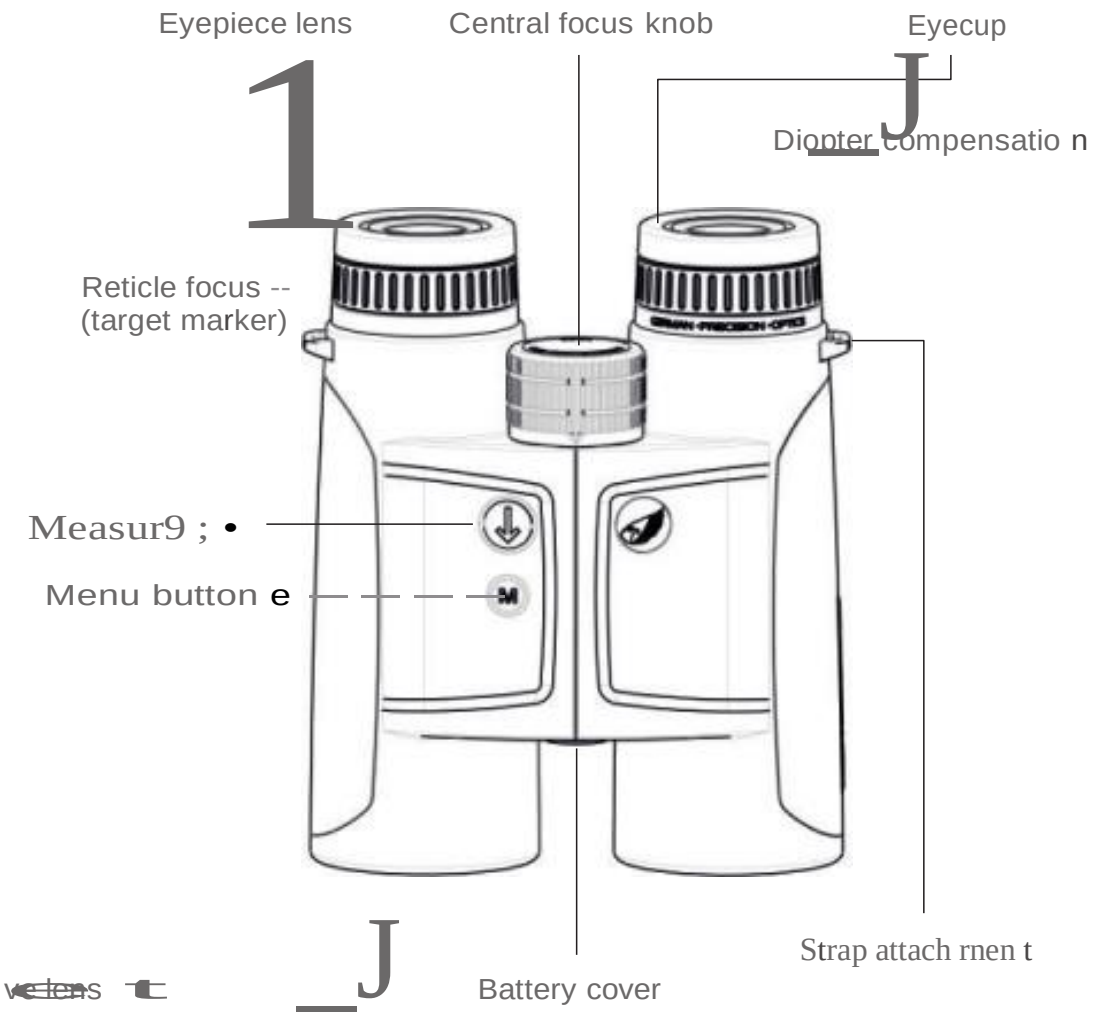
Identification of components



These images *are for* orientation *only.*
The product *may* differ from *the* i/lustration

Security Information

Please read these safety instructions carefully and follow them while using the product.

Under no circumstances should you use your binoculars or other optical equipment to look into the sun or bright or laser-based light sources. This can lead to irreparable damage to the eye, since the optics act as a magnifying glass.

Keep your binoculars out of the reach of children. Also keep all attachments out of the reach of children. In particular, small parts (danger of swallowing) and the carrying strap (danger of strangling) must be stored safely and carefully.

Please do not touch the metallic surfaces when the product has been heated by the sun or is cold as a result of exposure to cold atmospheres.

After use, always use the protective covers supplied to avoid damage that may be caused by the magnifying glass effect when exposed to sunlight.

Overview of functions and features

- Binoculars with 8-1600 m rangef inder, up to 2800 m for highly reflective targets.
- Display of direct distance and horizontal distance
- Single measurement and scan modes
- Angle display
- Temperature display
- Bright OLED display with 9 adjustable brightness levels
- Robust magnesium casing
- HD-class optics through use of ED lenses and multiple coatings
- Adjustable eyecups with several locking positions
- Nitrogen-filled to prevent fogging when exposed to temperature changes

The product uses an invisible laser beam for measurement and measures the time the laser beam takes to reach the object and back.

Laser measurement depends on climatic and environmental condit ions, as weil as the color, surface texture, size and shape of the target to be measured.

Favorable conditions for range measurements are: Clear visibility, low brightness (twilight), bright object color, perpendicular angle and a homogeneous structure.

Range measurement is limited in conditions of haze/fog, high brightness (sun), dark object color, sharp angle or inhomogeneous structure (e.g. bush).

Attaching the carrying strap

lt is possible to attach the protective eyepiece cap to the carrying strap.

Securing the lens cap

The lens cap can be secured to the strap connector with the retaining cord.

Open the fastener and thread the upper part of the retaining cord through the lanyard connection, then secure the lens cap with the lower part of the cord.

Adjusting the eyecups

The rotating eyecups have three locking positions for different applications. The detents allow the distance between the eye and the eyepiece lens to be adjusted. Thus, the distance viewing distance can be ergonomically adjusted according to personal preference. A distinction is made between use with and without glasses.

Use without glasses

When using without glasses, extend the eyecups as far as they will go by turning them counterclockwise.

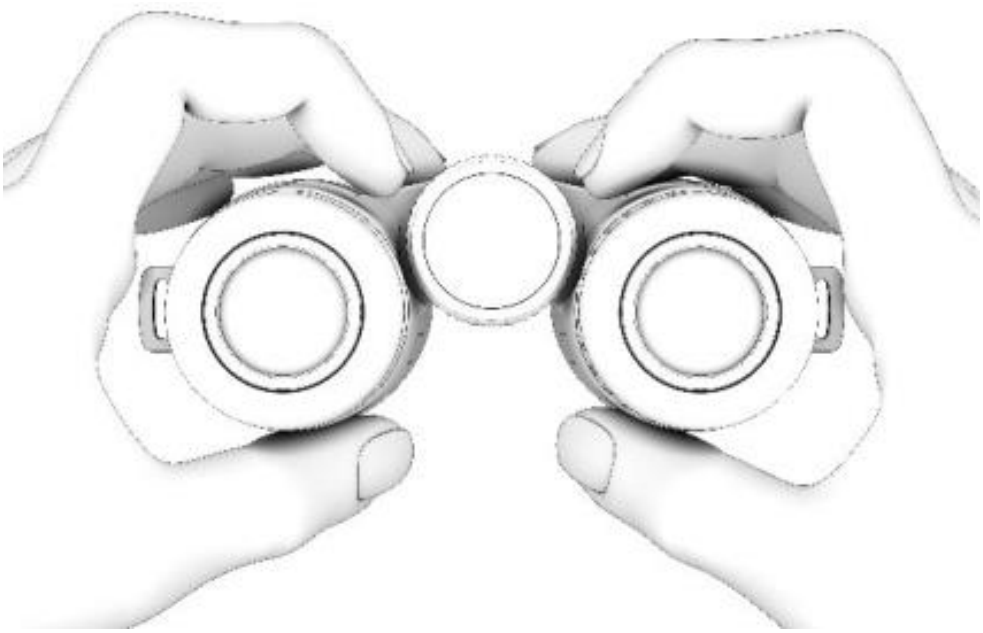
Use with glasses

If you wear glasses while using the binoculars, retract the eyecups as far as they will go by turning them clockwise.

Adjusting the correct interpupillary distance

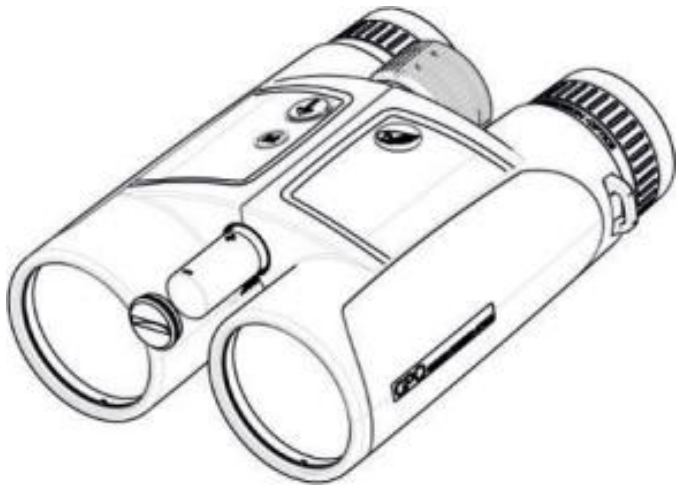
The binoculars have a mechanism to adjust the interpup illary distance. The interpupillary distance is the distance between the two pupils. The correct

interpupillary distance is achieved by folding the binoculars around the central pivot of the two halves. The interpupillary distance is correct when you see a circular image with both eyes open.



Inserting the battery

Open the battery compartment by turning the battery cover to the left {counter clockw ise) (e.g. with a 2-cent coin) and insert the CR2 battery with the + pole first. See also the markings on the rubber lining. Close the battery compartment completely by turning it clockwise. Please use only one CR 2 battery.



Battery warning

The CR2 battery is designed for approx. 4000 individual measurements at 20 degrees Celsius. lf the charge on the battery falls below 20% of its maximum capacity, the battery symbol will flash 3 times when the instrument is switched on. You can continue to use the device and should replace the battery at the next opportunity.

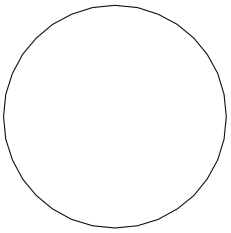
Setting the Diopter compensation for the target marker/reticle

Switch on the target marke re using the measurement button and keep the button pressed. To adjust the focus of the target marker and the display, turn the right diopter compensation control (for the target marker) to the left (-) orright (+).

Then use the central focus knob to carefully focus on the image of the object in the right binocular tube. Use the left diopter compensation control to focus the image in the left binocular tube on the same object as before. You can read off the set values on the (+) or (-) scale on the back of the binoculars.

Distance measurement

The distance measurement mode is switched on by pressing the measurement button once and remains in standby for 15 seconds.

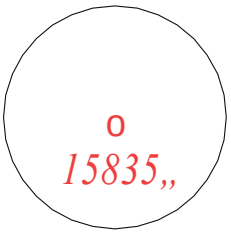


Press the measurement button again within 15 seconds to start the measurement. The distance is displayed.

To preserve battery life, the instrument switches off automatically after 15 seconds of inactivity.

Single measurement

With the RANGEGUIDE 2800 switched on, use the target marker to aim at the object tobe measured and press the measurement button e briefly. The direct distance is displayed in the first li ne for 1S seconds. The device then switches off automatically.



If the reflection from the object is not sufficient for the measurement, the following display appears:

M/Y

Simpl y restart the measurement with a new target.

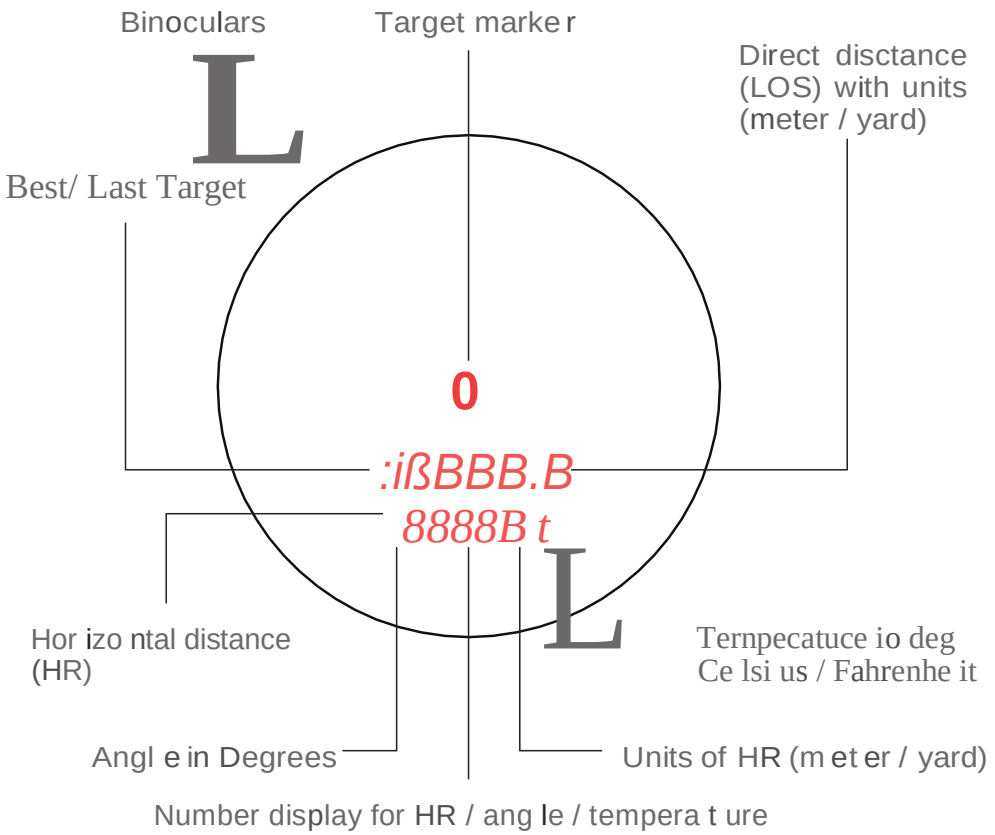
Continuous measurement / scan mode

To switch on the scan mode, press and hold the measurement buttone . As lang as you keep the button pressed, the device will continuously measure the distance to the target object and display the respective distance to different objects.

If you release the measurement butt one , the current measured value will be displayed for a further 15 seconds as for the single measurement. The device then automatically switches to standby mode and then switches off after 15 seconds.

The direct distance, horizontal distance and angle display are updated up to 4 times per second.

Overview of displayed information



The red OLED target marker always lights up when active .

The first line of the display always shows the direct distance in meters (M) or yards (Y).

You can choose whether the second line of the output displays the measured values for the horizontal distance (in meters or yards), the angle (in + / - degrees) or the temperatu re (in degrees Celsius or deg rees Fahrenheit).

Basic display functions

(Brightness, Meter/Yard, °C/° F, BEST / LAST)

To change the basic display options, switch the instrument on by pressing the measurement button and briefly (< 2 sec) press the menu button e within the standby time of 15 seconds.

The brightness display will then flash **LEV 4.** You can increase the brightness with the measurement button e continuously up to level 9 and then again from 1 to 9. Confirm the brightness adjustment with the Menu button e and proceed to the Meter / Yard selection.

Now the unit M or Y tobe selected will flash. Select either M or Y using the measurement butt one . Confirm by pressing the menu button e to proceed to the temperature selection.

Now the unit °C or °F to be selected will flash instead. Press the measurement button e to advance and select either °C or °F. Confirm by pressing the menu button e .

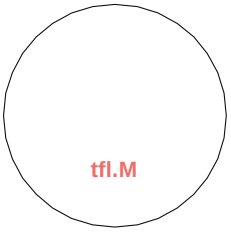
Finally, you will reach the **BEST/LAST** target selection. Again, the **BEST** or **LAST** setting tobe selected will flash. Please use the measurement butt one to select the appropriate setting and confirm using the menu button e .

Once you have completed these 4 options, you have configured your RANGE GUIDE 2800. Adjustments should then only be made to the brightness in the basic settings. However, you can change the 4 options selected here at any time by following the procedure described above again. For details on the settings, see the following pages.

Display brightness setting

The RANGEGUIDE 2800 has 9 brightness levels for use at ambient light levels from dusk (e.g. level 1, 2, 3) to bright sunshine (level 7, 8 or 9).

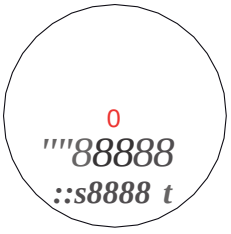
The default sett ing is level 4 **(LEV 4).**



Sw itch on the instrument using the measurement buttone and select the display brightness suitab le for the **conditions .**

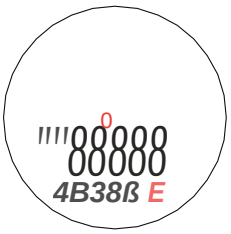
Level 1 (darkest level) is ideal for extreme twilight and may not be visible during the **day. Simply use the measurement buttone to select a brighter setting that is easy for you to read.**

Distance Unit setting



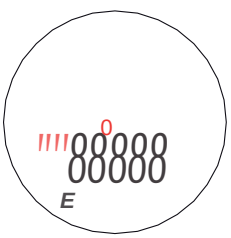
The RANGEGUIDE 2800 is designed for **worldwide use. Therefore, you can choose for the direct distance and horizontal distance measurements to be displayed in either meters (M) or yards** (Y).

Temperature unit setting



In addition to the direct distance in line 1, the temperature in line 2 can also be displayed in degrees Celsius or degrees Fahrenheit.

Target selection behavior setting



The RANGEGUIDE 2800 offers two operating modes : BEST for the strongest target (best target) and LAST for the furthest target (last target).

The **BEST** mode is the default and displays the object **with the strongest signal. This mode is recommended for most applications.**

The **LAST** mode displays the furthest distance when **scanning different objects. This mode is useful for detecting and measuring a specific target behind a group of objects such as bushes or trees. (Here, the most distant signal is preferred and strenger, closer signals are** suppressed).

Changing the display mode

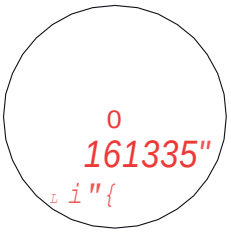
In addition to the 4 basic settings (selection menu via Pressing the menu button e < 2 seconds) the RANGEGUIDE 2800 also offers 4 different display modes.

LOS ONLY (direct distance measurement)

This display provides the clearest possible field of view.

(The display is in line 1)

LOS ANGLE



Direct distance measurement in line 1.

Angle display in line 2.

LOS HR

Direct distance measurement in line 1.

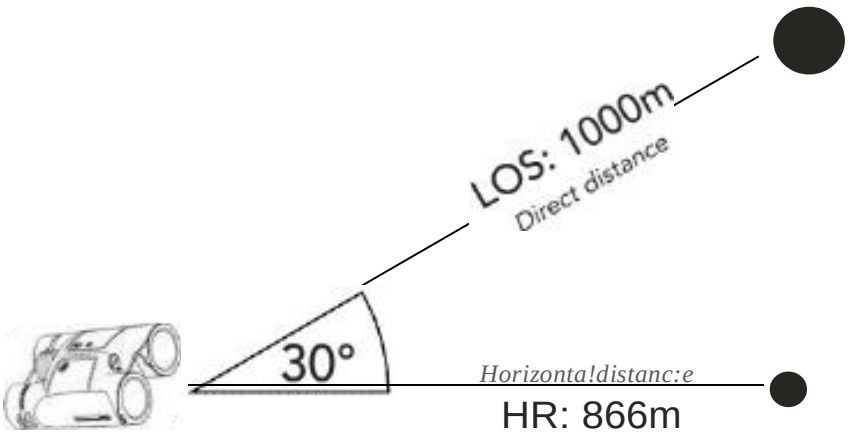
Horizontal distance measurement in line 2.

LOS TEMP

Direct distance measurement in line 1.

Temperature display in line 2.

Direct distance / horizontal distance / angle



Selecting the display mode

Switch on the instrument by pressing the measurement button e . In standby mode (within 15 seconds, target is lit), press the menu button e for > **2 seconds** to enter the display selection menu.

LOS ONLY flashes (alter 20 seconds the dev ice automatically saves the setting and returns to the standby mode).

While **LOS ONLY** or one of the 3 other display modes is flashing, you can use the measurement button e to go to the next selection and select one of the 4 operating modes.

The setting is saved by pressing the menu button e . If you do not confirm the setting by pressing the menu button e , the last setting selected is automatically saved after 20 seconds of inactivity.

Technical Data

		10x50
Magnification		10x
Objective lens diameter	(mm)	50
Exit pupil	(mm)	5
Field of view	(m/100m)	110
Field of view in (Deg)		6,2
Diopter adjustment	(dpt.)	+/- 5
Close focus	(m)	4
Viewing distance	(mm)	17
Interpupillary distance	(mm)	58-75
Nitrogen filling		
Laser dass (Eye Safe)		
Waterproof		
Length/Width/Height	(mm)	160/120**/58
Casing		**Magnesium**
Weight	(g)	ca. 1000
Number of **measurements using one** CR2 battery (3V)		ca. 4000
Battery monitoring	(at20%)	

*Maximum measureable distance (high target reflectivity)	(m)	up to 2.800
*Typical measurement range	(m)	10-1.600
Measurement accuracy upto 1000 m	(m)	+/-1
Measurement accuracy 1000- 3000 m	(m)	+/- 2
Distance unit of measurement		Meter/ Yard
Mode / Display		Single measurement Scan mode Direct distance Horizontal distance Angle measurement Temperature (C/F)
Display		OLED
Brightness levels		9

*Th e range is st rongly dependent on the weather cond itions (e. g. clear visibirity o.r f? g) and o n the size and reflect1v1ty of the ta rget object.

**Width at 64 mm interpup i llary distance

Accessories

	10x50
Carrying bag (Hardcase) with carrying strap	
Neoprene Carrying Strap	
Cleaning cloth	
Objective lens cap	
Ocular lens cap	
CR2 Battery	
Instruction manual	

Storage

After use, store the RANGEGUIDE 2800 in a dry and well-ventilated place.

If you are using your product in an environment with high humidity, store it in an airtight container with a moisture absorbent to reduce the risk of fungal growth.

Care, cleaning and maintenance

The optics can be cleaned with an optical cleaning cloth. Always keep optical surfaces clean and remove dirt, fingerprints or water stains to ensure lasting performance.

To clean the optical surfaces, lightly breathe on them; then use the optical cleaning cloth to clean the dirt from the lens surfaces.

Please note that coarse dirt particles should be removed either by blowing them off or with a clean hairbrush; otherwise you may scratch the surface of the lenses.

All external mechanical parts and the rubber reinforcements can be cleaned with a soft, clean and slightly damp cleaning cloth.

Please do not use the optical cleaning cloth to clean the external components and rubber reinforcements.

Replacement parts supply

If you require replacement parts or accessories for your RANGEGUIDE 2800, please contact a specialist dealer or

GPO GmbH & Co. KG. DEUTSCHLAND

Additional safety instructions regarding lasers & battery handling

The product uses an invisible laser beam. Please note the following:

- Do not press the distance measurement button while looking into the device.
- Do not aim at the eyes.
- Do not aim the laser at people.
- Do not look into the laser with other optical devices such as magnifiers or binoculars.
- Unless you want make a measurement, remove your finger from the measurement button to avoid unintentional measurement.

- Keep the device out of the reach of children.

Do not disassemble, modify, or attempt to repair the device. Laser beams can be hazardous to your health.

CR2 Lithium Battery Safety Instructions

- Install the battery with the correct polarity (+/-).
- Do not attempt to charge a CR2 battery.
- Do not throw the battery into water or fire.
- Do not disassemble the battery.
- Dispose of the battery in accordance with local regulations.

WARNING

This product has been tested and conforms to the following standards:

Class 1 Laser Product. INVISIBLE LASER RADIATION. DON'T VIEW DIRECTLY WITH OPTICAL INSTRUMENTS (BINOCULARS OR TELESCOPES).

The product fulfils the requirements of IEC 60825-1:2007 2ND Edition (TÜV SÜD) and EN 60825-1:2007 and CE according to EN 61326-1:2013.

This product complies with 21 CFR 1040.10 and 1040.11 Laser: 905nm / 20ns and complies with FOA performance standards and FCC Rules and Regulations Part 15 Subpart B:2018 with test method ANSI C63.4-2014.

This device complies with part15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

GPO GmbH & **Co. KG**
Wildmoos 9, 82266 Inning am Ammersee

Disposal of waste electrical and electronic equipment (WEEE)

This equipment contains electrical and/or electronic components and should not be disposed of with normal household waste. Instead, it should be disposed of in the appropriate municipal recycling center. There is no charge to you for this. If the device contains replaceable (rechargeable) batteries, these must first be removed and, if necessary, disposed of in accordance with the applicable regulations (see also the instructions in the instruction manual for this product).

For more information, contact your municipal authority, your local waste disposal company, or the store where you purchased this product.

GPO GmbH and Co. KG WEEE-Reg.-Nr.: DE 45735335

Repairs

All repairs should be carried out only by authorized workshops or by GPO GmbH & Co. KG.

Improper use and opening of the products by unauthorized workshops will void the warranty.

WARRANTY

Your RANGEGUIDE 2800 comes with a warranty of two-years from the date of purchase against defects in materials and workmanship. If the product is defective, we will repair or replace it at our discretion.

This warranty does not cover damage caused by im proper use or handling or by any repair carried out other than by a GPO GmbH & Co authorized service center.

The following items or information must be enclosed with returns under this warranty:

- Name, address and current phone number.
- A description of the defect.
- A copy of your proof of purchase showing the date.

Please send only the product to be repaired. Do not include any other accessories (batteries, cases, straps, etc.).

The product should be weil packaged in a sturdy shipping **box to avoid damage in transit and sent to the following address:**

GPO GmbH & Co. KG

Wildmoos 9
82266 Inning Am Ammersee
Germany
+49 (0) 8143-99 20 870 20
info@gp-optics.com

Cher dient, nous sommes tres heureux que vous ayez opte pour l'article RANGEGU IDE 2800 de notre marque et souhaitons vous remercier pour votre confiance.

Les RANGEGUIDE 2800 sont des jumelles tres performantes dotees d'un telemetre laser adapte a la chasse, au tir a l'arc, au tir sportif et a l'ornithologie.

Un ecran de haute qualite vous permet d'afficher la distance LOS (Line of Sight = distance visible jusqu'ä la cible) ou encore la distance horizontale (HR = horizontal Range) en plus d'autres informations egalement utiles (comme la mesure de l'angle ou de la temperature).

La mesure de la distance que l'on peut configurer soit en metre soit en yard ou celle de la temperature en degre Celsius ou en Fahrenheit, s'adapte aux normes du pays. L'E§cran peut se positionner sur 9 niveaux d'eclairage en fonction de la luminosite de l'environnement.

Nous faisons tout notre possible pour vous permettre de profiter pleinement de votre objet et nous tenons a votre disposition pour vous aider

Enjoy Your PASSION

Return Slip

GPO stands for top quality and excellence at a fair price! This is also reflected in our customer service. So that we can provide you with the best possible service, please complete this form and enclose it with your return along with a legible copy of the invoice.

Send to:
GPO GmbH & Co. KG • Technischer Se rvice • Wildmoos 9 • 82266 Inning am Ammersee

Item designation: _____

Serial number: _____

Accessories: _____

Date purchased: _____

Fault description: _____

_____

First & last Name: _____

Street: _____

City, zip code: _____

Country: _____

E-Mail: _____

Phone Number: _____

We would be happy to prepare a written cost estimate for your insurance as weil:

☐ Yes ☐ No

Cost Es t imate / Oiagno sis:

Diel he cost for fault analysis and a cost estimate is EUR 49.90, including sales tax, plus EUR 6.90 for shipping, which will not be charged in the event of a warranty or a repair in our facility.

DI would like to regularly receive interesting offers by email from GPO GmbH & Co. KG. My email address will not be shared with other companies. 1 can revoke this permission to use my email ad-dressfo r advert ising purposes at any t ime with future *effect* by clicking on the "Unsubscribe link at the end of the newsletter, by using the unsubscribe button on the website ofGPO GmbH & Co. KG, or by sending an email to info@gp-op tics.com or mailing a letter to GPO GmbH & Co. KG, Wildmoos 9, 82266 Inning a. Ammersee to de clare my revocation.

1 hereby confirm that the information provided is correct:

_____ Date/ Place

_____ Signat ure

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info@gp -opti cs.com

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