GPO

GERMAN · PRECISION · OPTICS

RANGEGUIDE

3000
3200

The GPO RANGEGUIDE™ rangefinders are an absolute highlight in our product family and set new standards in the rangefinder sector when it comes to performance, weight, compactness and handling.

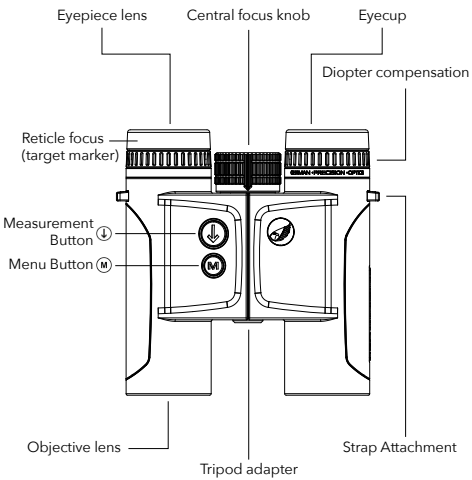
They are the perfect companion for hunters in the mountains, when stalking, at dusk and when hunting with bow and crossbow, and also provide useful information for sports shooters such as angle, temperature, air pressure and humidity and much more, so that you can enjoy your GPO products for a long time and experience unforgettable moments.

Enjoy Your PASSION

Table of Contents

Identification of components 39
Security Information 40
Overview of functions and features 41
Attaching the carrying strap 43
Securing the lens cap 43
Adjusting the eyecups 44
Adjusting the correct interpupillary distance 46
Inserting the battery 47
Setting the Diopter compensation for the target marker/reticle 48
Tripod adapter / photo sensor 48
Distance measurement 49
Overview of displayed information 51
Display information and 5 menu settings 52
Changing the menu 53
Changing the display mode 57
Selecting the display mode 60
Technical Data 61
Accessories 61
Storage 65
Care, cleaning and maintenance 66
WARNING 69

Identification of components



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 5 - 1.600 m rangefinder - For highly reflective targets ranges >3.000 m can be achieved.
- Display of direct distance and horizontal distance
- Single measurement and scan modes
- Angle display
- Temperature display
- Air pressure and humidity display
- Bright OLED display with 9 adjustable brightness levels and automatic brightness control
- 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.

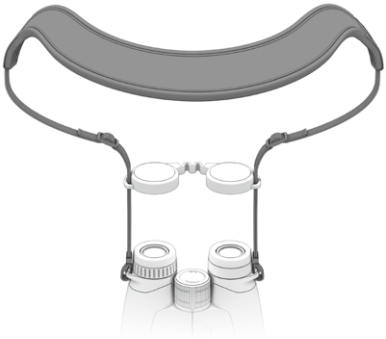
Laser measurement depends an climatic and environmental conditions, as well as the color, surface texture, size and shape of the target to be measured.

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

It 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.

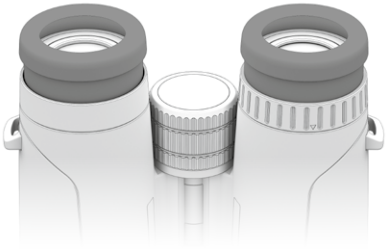
Open the fastener and thread the upper part of the retaining cord through the lanyard connection, then secure the lens cap with the lower part of the cord.

Adjusting the eyecups

The rotating eyecups have several 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.

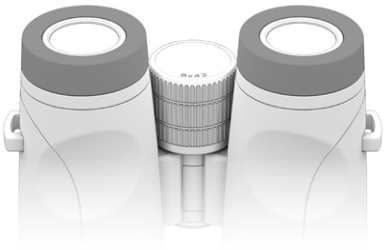
Use without glasses

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



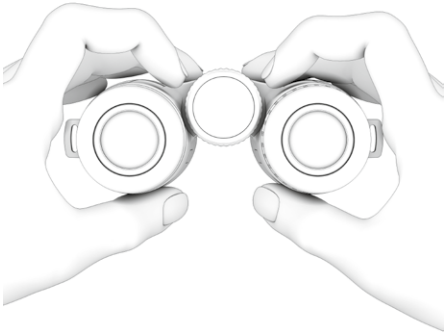
Use with glasses

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



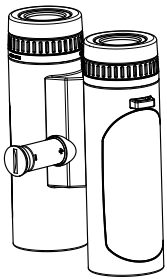
Adjusting the correct interpupillary distance

The binoculars have a mechanism to adjust the interpupillary 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 (counterclockwise) (e.g. with a 2-cent coin) and insert the CR2 battery with the + pole first. Close the battery compartment completely by pressing turning it clockwise. Please use only one CR 2 battery.



Battery warning

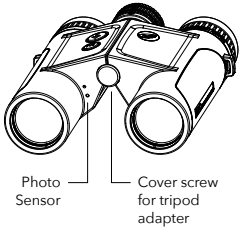
The CR2 battery is designed for approx. 4000 individual measurements at 20 degrees Celsius. If the charge on the battery falls below 20% of its maximum capacity, the battery symbol will flash 3 times when the instrument is switched on. You can continue to use the device and should replace the battery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

Setting the Diopter compensation for the target marker/reticle

Switch an the target marker⏻ 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 (-) or right (+).

Then use the central focus knob to carefully focus an 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 an the same object as before. You can read off the set values on the (+) or (-) scale on the back of the binoculars.

Tripod adapter / photo sensor

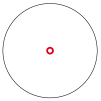


The RANGEGUIDE is equipped with a Tripod adapter. Please remove the cover screw for the purpose of installing a tripod.

The photo sensor is required for error-free use of the automatic brightness control. Please do not cover when in use.

Distance measurement

The distance measurement mode is switched an 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 switched on, use the target marker to aim at the object to be measured and press the measurement button⏬ briefly. The direct distance is displayed in the first line for 15 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

Simply restart the measurement with a new target.

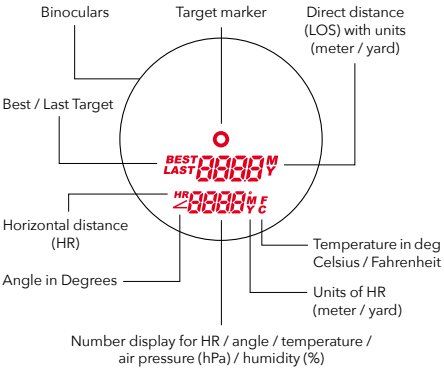
Continuous measurement / scan mode

To switch on the scan mode, press and hold the measurement button⏬. As long 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 button⏬, 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 alter 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), the temperature (in degrees Celsius or degrees Fahrenheit), the air pressure (in hPa) or the humidity (in %).

Display information and 5 menu settings

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

The 5 settings are:

1. display brightness (level 1-9 and automatic)
2. selection from 6 different display modes (LOS, ...)
3. selection of the measuring method BEST or LAST target
4. selection of the distance measurement unit meter or yard
5. selection of the temperature unit (degrees Celsius / degrees Fahrenheit)

Summary of the selection and storage of the display options and functions (for details and further information, see the following pages).

Changing the menu

To change the basic display options and menu, switch the instrument on by pressing the measurement button Ⓓ and then press the menu button Ⓜ briefly (>1,5 sec) within the standby time of 15 seconds.

1. The brightness display will then flash LEV 7. You can increase the brightness with the measurement button Ⓓ continuously from 1 (night setting) up to level 9 or automatic mode. Confirm the brightness adjustment with the menu button Ⓜ and proceed to select the next display information at line 2 of the display.

2. Now the display modeLOS ONLY will flash. You can select the other 5 display modes by pressing the measurement button Ⓓ. (All display modes are specified in detail on the next pages.) Confirm your choice by using the menu button Ⓜ to proceed to the next target mode selection BEST/LAST Target.

3. Again, the BEST or LAST setting to be selected will flash. Please use the measurement button Ⓓ to select the appropriate setting and confirm using the menu button Ⓜ and proceed to the Meter/Yard selection.4.

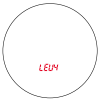
4. Now the unit M or Y to be selected will flash. Select either M or Y using the measurement button Ⓓ. Confirm by pressing the menu button Ⓜ to proceed to the temperature selection.

5. Now the unit °C or °F to be selected will flash instead. Press the measurement button Ⓓ to advance and select either °C or °F.

Display brightness setting

The RANGEGUIDE 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 setting is level 7 (**LEV 7**).



Switch on the instrument using the measurement button⓫ and select the display brightness suitable for the conditions.

Level 1 (darkest level) is ideal for extreme twilight and may not be visible during the day. Simply use the measurement button⓫ to select a brighter setting that is easy for you to read. In addition, the RANGEGUIDE has an automatic brightness control which activates if you keep pressing after level 9.

Distance Unit setting



The RANGEGUIDE 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 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 stronger, closer signals are suppressed). As long as the measurement button⓫ is pressed, the maximum distant target is saved.

Changing the display mode

The RANGEGUIDE offers 6 different display operating modes. The default is LOS ONLY.

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.

LOS HUM



Direct distance measurement in line 1.

Humidity display (in %) in line 2.

LOS PRESS



Direct distance measurement in line 1.

Air pressure display (in hPa) in line 2.

Selecting the display mode

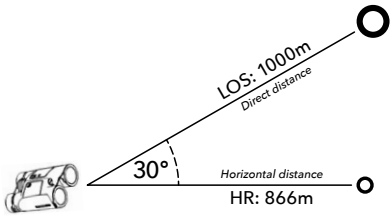
Switch on the instrument by pressing the measurement button⏻. In standby mode (within 15 seconds, target is lit), press the menu button Ⓜ **> 1.5 seconds** to enter the display selection menu.

LOS ONLY flashes (after 8 seconds the device automatically saves the setting and returns to the standby mode).

While **LOS ONLY** or one of the 5 other display modes is flashing, you can use the measurement button⏻ to go to the next selection and select one of the 6 operating modes.

The setting is saved by pressing the menu button Ⓜ. If you do not confirm the setting by pressing the menu button Ⓜ, the last setting selected is automatically saved after 8 seconds of inactivity.

Direct distance / horizontal distance / angle



Technical Data

RANGEGUIDE 3000		8x32	10x32
Magnification		8x	10x
Objective lens diameter	(mm)	32	32
Exit pupil	(mm)	4,0	3,2
Field of view	(m/1000m)	135	112
Diopter adjustment	(dpt.)	+/-4	+/-4
Close focus	(m)	8	8
Eye Relief	(mm)	18	16
Interpupillary distance	(mm)	58–78	58–78
Nitrogen filling		•	•
Laser class (Eye Safe)		1	1
Waterproof		•	•
Length/Width/Height	(mm)	136/105**/56	132/105**/56
Casing		Magnesium	Magnesium
Weight	(g)	700	690
Number of measurements using one CR2 battery (3V)		ca. 4000	ca. 4000
Battery monitoring	(at 20%)	•	•
Maximum measurable distance (high target reflectivity)*	(m)	up to 3.000	up to 3.000
Typical measurement range*	(m)	8–1.600	8–1.600
Measurement accuracy up to 1000 m	(m)	+/-1	+/-1
Measurement accuracy 1000–3200 m	(m)	+/- 2	+/- 2
Distance unit of measurement		Meter/Yard	Meter/Yard
Mode / Display		Single measurement Scan mode Direct distance Horizontal distance Angle measurement Temperature (C/F) Air pressure (hPa) Humidity (%)	Single measurement Scan mode Direct distance Horizontal distance Angle measurement Temperature (C/F) Air pressure (hPa) Humidity (%)
Display		OLED	OLED
Brightness levels		9 + Automatic	9 + Automatic

** The range is strongly dependent on the weather conditions (e.g. clear visibility or fog) and on the size of reflectivity of the target object.*

*** Width at 64 mm interpupillary distance.*

Technical Data

RANGEGUIDE 3200		8x40	10x40
Magnification		8x	10x
Objective lens diameter	(mm)	40	40
Exit pupil	(mm)	5,0	4,0
Field of view	(m/1000m)	135	112
Diopter adjustment	(dpt.)	+/-4	+/-4
Close focus	(m)	5	6
Eye Relief	(mm)	18	16
Interpupillary distance	(mm)	58–78	58–78
Nitrogen filling		•	•
Laser class (Eye Safe)		1	1
Waterproof		•	•
Length/Width/Height	(mm)	136/105**/56	132/105**/56
Casing		Magnesium	Magnesium
Weight	(g)	750	710
Number of measurements using one CR2 battery (3V)		ca. 4000	ca. 4000
Battery monitoring	(at 20%)	•	•
Maximum measurable distance (high target reflectivity)*	(m)	up to 3.200	up to 3.200
Typical measurement range*	(m)	10 – 1.600	10 – 1.600
Measurement accuracy up to 1000 m	(m)	+/-1	+/-1
Measurement accuracy 1000 – 3200 m	(m)	+/- 2	+/- 2
Distance unit of measurement		Meter/Yard	Meter/Yard
Mode / Display		Single measurement Scan mode Direct distance Horizontal distance Angle measurement Temperature (C/F) Air pressure (hPa) Humidity (%)	Single measurement Scan mode Direct distance Horizontal distance Angle measurement Temperature (C/F) Air pressure (hPa) Humidity (%)
Display		OLED	OLED
Brightness levels		9 + Automatic	9 + Automatic

** The range is strongly dependent on the weather conditions (e.g. clear visibility or fog) and on the size of reflectivity of the target object.*

*** Width at 64 mm interpupillary distance.*

Accessories

	8x32	10x32	8x40	10x40
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 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, please contact a specialist dealer or

GPO USA
711 Moorfield Park Dr., Ste. C North
Chesterfield, VA 23236

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 objective lens of 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



CLASS 1 CONSUMER LASER PRODUCT

EN 50689:2021 EN60825-1:2014+A11:2021

This product complies with 21 CFR 1040.10 and 1040.11 except for conformance with IEC 60825-1 Ed.3., as described in Laser Notice No. 56, dated

May 8,2019.

This product has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. The device could interfere with wireless communication. However, there is no guarantee of interference. If this product causes radio or television interference, the user may try to correct the interference by one or more of the following solutions:

- Reorient the receiving antenna
- Increase the distance between this product and the receiver
- Consult a technician

To comply with the limits, use a shielded interference cable with the equipment in accordance with Part B of Part 15 of the FCC Rules. Specifications and designs are subject to change without notice from the manufacturer.

GPO GmbH
Wildmoos 9, 82266 Inning am Ammersee, Germany

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 WEEE-Reg.-Nr.: DE 45735335

Repairs

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

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