



LEICA Geovid HD-B



For more than 20 years, Leica has been renowned as the pioneer of laser range-finding products. Now Leica is continuing its success story by introducing the next generation of the popular Geovid laser range-finding binoculars with an improved integrated ballistic system.

Enhanced ballistic functionality:

With the newly developed ballistic function ABC™ (Advanced Ballistic Compensation) in the GEOVID HD-B, it provides the proper aim point for the hunter and shooter. The integrated, highly precise ballistic processor of the new range finder can gather the necessary information; analyse the ballistic information within a split second and one touch of the button to give precise information for the correct hold over, turret adjustment or drop down reticle aiming point. This means for the calculation of the trajectory, not only the distance, but the angle, temperature and air pressure are taken into account. Twelve ballistic curves are programmed in the system – they represent most of the trajectories of modern cartridges. Located inside the battery housing is an integrated microSD card slot, which allows the shooter to program and save personal ballistic data for their cartridge/rifle combination! This revolutionary option allows the hunter to put his/her own ballistic data based on his/her equipment. Different ballistic information can be saved on separate microSD cards for multiple cartridge/rifle use. The result is extremely precise and accurate ballistics information. Within only 0.2 seconds, the Leica GEOVID HD-B displays all of the necessary information for an accurate shot, especially at long distances.

The ABC™ system can provide ballistic data in the following ways:

- For hunters who use a traditional reticle in their riflescope, the ABC™ system shows the holdover in inches or centimeters, in addition to the measured distance.
- For hunters/shooters using ballistic reticles or custom turrets, the ABC™ system can display the equivalent horizontal range (EHR). As in all ballistic modes, EHR automatically compensates for angle, temperature and air pressure.
- For hunters/shooters using MOA or Mil/CM based click adjustments on externally adjustable turrets, the ABC™ system can indicate the necessary number of clicks.




Easy To Read Display
 Best in class readings of displayed distance/ballistic information

Open ergonomic bridge
 Best ergonomic design ever, fits perfect in every hand

Magnesium housing
 Robust but extremely light weight

microSD card
 First time in history binocular and gun becomes one. Program online your ballistic data (ammunition, caliber ...) and put the card into the microSD card slot inside the battery housing

ABC™ Ballistik
 Displays Holdover, equivalent horizontal distance and/or MOA-Clicks on BDC turret including temperature, barometric pressure and angular

Perger Porro System
 New optical prism system – unique in the world. Looking like a roof prism but it is a special designed Perger prism similar to a porro. 14mm offset offering a fantastic 3-dimensional view!

Outstanding optical performance
 Perfect straylight reduction for maximum contrast. Also extremely effective colour correction

1.825m/2.000 yds distance
 Longest distance ever in premium rangefinding binoculars offering flexibility and safety for the user. Only 0,2 seconds of measuring time

Technical data:

	LEICA GEOVID 8x42 HD-B	LEICA Geovid 10x42 HD-B
Exit pupil	5.2 mm	4.2 mm
FOW /1000 yds	426.5 ft	374.1 ft
Eye relief	18 mm	20 mm
Objective angle of view	7.3°	6.5°
Close focus	16.4 ft	16.4 ft
Weight	32.8 oz.	32.8 oz.
Diopter	±4 dpt	±4 dpt
Measuring distance	10 m bis ca. 1.825 m/ 2,000 yds	10 m bis ca. 1.825 m/ 2,000yds
Adjustable interpupillary distance	56-74 mm	56-74 mm
Prism system	Perger Porro Prism	Perger Porro Prism
Water proof	Up to 5 m/16.4 ft	Up to 5 m/16.4 ft
Housing	Magnesium	Magnesium
Measuring time	max. ca. 0.3 seconds	max. ca. 0.3 seconds
Ballistic functions	Equivalent horizontal distance	Equivalent horizontal distance
	holdover	holdover
	MOA-/Click adjustment	MOA-/Click adjustment



LEICA GEOVID HD-B 42 mm

Technical Data



Binocular	LEICA GEOVID 10 x 42 HD-B	LEICA GEOVID 8 x 42 HD-B
Order No. Product	40 049	40 047
Delivery scope	Contoured neoprene carrying strap, lens caps, eyepiece covers, Cordura case, LI battery type CR2	Contoured neoprene carrying strap, lens caps, eyepiece covers, Cordura case, LI battery type CR2
Magnification	10 x	8 x
Front lens diameter	42 mm	42 mm
Exit pupil	4.2 mm	5.2 mm
Twilight factor	20.5	18.3
Field of view at 1,000 m	114 m	130 m
Field of view at 1,000 yds	374 ft	427 ft
Eye-relief	20 mm	18 mm
Objective angle of view	6.5°	7°
Close focusing distance	5 m/ 16.5 ft	5 m/ 16.5 ft
Diopter compensation	± 4 diopters	± 4 diopters
Distance measurement		
Range	10 m up to approx. 1,825 m/10 yds to approx. 2,000 yds	10 m up to approx. 1,825 m/10 yds to approx. 2,000 yds
Accuracy	± 10 m/yd up to 1,830 m/2,000 yds ± 1 m/yd up to 500 m/550 yds ± 2 m/yds up to 1,000 m/1,100 yds ± 0.5 % beyond 1,000 m/1,100 yds	± 10 m/yd up to 1,830 m/2,000 yds ± 1 m/yd up to 500 m/550 yds ± 2 m/yds up to 1,000 m/1,100 yds ± 0.5 % beyond 1,000 m/1,100 yds
Display	4-digit LED display and ambient light based brightness adjustment	4-digit LED display and ambient light based brightness adjustment
Eyepieces for eyeglass wearers	yes	yes
Sliding eyecups	yes, removable, with 4 detent positions	yes, removable, with 4 detent positions
Adjustable interpupillary distance	56–74 mm	56–74 mm
Focusing	Internal focusing unit using center spindle	Internal focusing unit using center spindle
Coating	HDC® multi-layer coating, Leica AquaDura™ coating	HDC® multi-layer coating, Leica AquaDura™ coating
Prism system	Perger-Porro prism	Perger-Porro prism
Watertightness	Impermeable to water up to 5 m/16.5 ft depth	Impermeable to water up to 5 m/16.5 ft depth
Housing	Magnesium, nitrogen-filled	Magnesium, nitrogen-filled
Dimensions (W x H x D)	125 x 174 x 70 mm / 4¾ x 6¾ x 2¾ in	125 x 178 x 70 mm / 4¾ x 7 x 2¾ in
Weight	approx. 945 g/34.7 oz incl. battery	980 g/34.6 oz incl. battery
Meter / Yard selector	yes, by software	yes, by software
Laser	Invisible, safe for eyes in compliance with EN and FDA class 1	Invisible, safe for eyes in compliance with EN and FDA class 1
Laser beam divergence	2.7 x 1.5 mrad	2.7 x 1.0 mrad
Measuring time	max. 0.3 s	max. 0.3 s
Measuring functions	Single mode, scan mode	Single mode, scan mode
Ballistic functions	Equivalent horizontal range (EHR), point of aim correction, number of clicks required on elevation turret	Equivalent horizontal range (EHR), holdover, number of clicks required on elevation turret
Bullet trajectories	12 fixed pre-installed curves Integration of custom data using microSD card	12 fixed pre-installed curves Integration of custom data using microSD card
Power supply	1 x 3V/lithium circular cell CR2	1 x 3V/lithium circular cell CR2
Battery lifetime	approx. 2,000 measurements at 20°C/68°F	approx. 2,000 measurements at 20°C/68°F