



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	342 ft	385 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 1.0 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), holdover, 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