

# Technical Data



Product	LEICA GEOVID 7 x 42 BD	LEICA RANGEMASTER 1200 scan	LEICA RANGEMASTER 900 scan	LEICA PINMASTER
<b>Order No. Product</b>	40 023 (read-out in meters) 40 024 (read-out in yards)	40 520 (black only)	40 510 (green only)	40 530
<b>Supplied with</b>	Neoprene carrying strap, eyepiece cover, Cordura case and battery	Case, carrying cord and battery	Case, carrying cord and battery	Case, carrying cord and battery
<b>Magnification</b>	7 x	7 x	7 x	7 x
<b>Front lens diameter</b>	42 mm	21 mm	21 mm	21 mm
<b>Exit pupil</b>	6 mm	3 mm	3 mm	3 mm
<b>Twilight factor</b>	17.1	12.1	12.1	12.1
<b>Field of view at 1,000 m/yds</b>	120 m/yds	112 m/yds	112 m/yds	112 m/yds
<b>Objective angle of view</b>	6.9°	6.4°	6.4°	6.4°
<b>Diopter compensation</b>	increased to ± 4 diopters	increased to ± 4 diopters	increased to ± 4 diopters	increased to ± 4 diopters
<b>Distance measurement</b>				
Range	25 yds to approx. 1,093 yds	11 yds to approx. 1,200 yds	16 yds to approx. 902 yds	11 yds to approx. 700 yds
Accuracy	± 1 yd up to 218 yds ± 2 yds to 1,093 yds	± 1 yd up to 1,200 yds ± 2 yds up to 874 yds ± 0,5% beyond 874 yds	± 1 yd up to 219 yds ± 2.2 yds up to 656 yds ± 0,5% beyond 219 yds	± 1 yd up to 219 yds ± 2.2 yds up to 656 yds ± 0,5% beyond 219 yds
<b>Read-outs</b>	LED display easily legible in any lighting with automatic brightness control	LED display easily legible in any lighting with automatic brightness control	LED display easily legible in any lighting with automatic brightness control	LED display easily legible in any lighting with automatic brightness control
<b>Eyepieces for eyeglass wearers</b>	yes	yes	yes	yes
<b>Focusing</b>	individual adjustable eyepieces	-	-	-
<b>Prism system</b>	Porro prism system	Roof prism system	Roof prism system	Roof prism system
<b>Watertightness</b>	Water spray resistant	Water spray resistant	Water spray resistant	Water spray resistant
<b>Housing</b>	Metal	Carbon fiber-reinforced plastic material	Carbon fiber-reinforced plastic material	Carbon fiber-reinforced plastic material
<b>Tripod base</b>	¼"	-	-	-
<b>Power supply</b>	6 V, Battery type 2CR5	Battery 9V/alkaline manganese E block (6LR 61)	Battery 9V/alkaline manganese E block (6LR 61)	Battery 9V/alkaline manganese E block (6LR 61)
<b>Dimensions (W x H x D)</b>	178 x 206 x 81 mm/ 7 x 8 1/8 x 8 3/16 in	105 x 120 x 40 mm/ 4 1/8 x 4 3/4 x 1 1/16 in	105 x 120 x 40 mm/ 4 1/8 x 4 3/4 x 1 1/16 in	105 x 120 x 40 mm/ 4 1/8 x 4 3/4 x 1 1/16 in
<b>Weight</b>	approx. 1,350 g/47.5 oz	without battery 280 g/9.9 oz with battery 320 g/11.25 oz	without battery 280 g/9.9 oz with battery 320 g/11.25 oz	without battery 280 g/9.9 oz with battery 320 g/11.25 oz
<b>Meter/Yard Selector</b>	no	yes	yes	yes
<b>Laser</b>	Eye-safe invisible laser according to EN and FDA class 1	Eye-safe invisible laser according to EN and FDA class 1	Eye-safe invisible laser according to EN and FDA class 1	Eye-safe invisible laser according to EN and FDA class 1
<b>Laser beam divergence</b>	approx. 0.3 x 1.5 mrad	approx. 0.5 x 2.4 mrad	approx. 0.5 x 2.4 mrad	approx. 0.5 x 2.4 mrad
<b>Measuring time</b>	maximum approx. 0.3 s	maximum approx. 0.85 s	maximum approx. 0.85 s	maximum approx. 0.85 s
<b>Measuring mode</b>	-	Scanning mode Multiple mode	Scanning mode Multiple mode	Scanning mode
<b>Multiple range finding</b>	no	Two targets at different distances can be ranged simultaneously.	Two targets at different distances can be ranged simultaneously.	Two targets at different distances can be ranged simultaneously.
<b>Battery lifetime</b>	approx. 1,000 measurements	approx. 1,000 measurements	approx. 1,000 measurements	approx. 1,000 measurements
<b>Order No. Accessories</b>				
<b>Floating carrying strap, orange</b>	42163	-	-	-
<b>Tripod Adapter</b>	-	42 221	42 221	42 221