



LEICA RANGEMASTER CRF

Technical data



Rangefinder	Leica Rangemaster CRF 2700-B	Leica Rangemaster CRF 2400-R
Type	5630	--
Order No.	40545	40546
Delivery scope	Cordura case, carrying cord, battery and micro SD card	Cordura case, carrying cord, battery
Magnification	7 x	7 x
Front lens diameter	24 mm	24 mm
Exit pupil	3.4 mm	3.4 mm
Twilight factor	13	13
Field of view at 1,000 yds / 1,000 m	345 ft / 115 m	345 ft / 115 m
Field of view for spectacle wearers	310 ft. / 103.5 m	310 ft. / 103.5 m
Eye-relief	15 mm	15 mm
Objective angle of view	6.6°	6.5°
Close distance	33 ft. / 10 m	33 ft. / 10 m
Light transmission	86%	86%
Diopter compensation	± 3.5 dpt	± 3.5 dpt
Distance measurement:		
Range	up to 2,500 m / 2,700 yds	10 up to 2,200 m / 10 up to 2,400 yds
Equivalent horizontal range (EHR)	up to 1,200 yds / 1,100 m	10 up to 880 yds / 10 up to 800 m
Measuring accuracy	10 to 200 m approx. ± 0.5m 200 to 400 m approx. ± 1m 400 to 800 m approx. ± 2m 800 to 2,500 m approx. ± 0.5%	10 to 200 m approx. ± 0.5m 200 to 400 m approx. ± 1m 400 to 800 m approx. ± 2m 800 to 2,500 m approx. ± 0.5%
Measuring time	approx 0.3 s	approx 0.3 s
Measuring mode	Scanning mode, single measurement	Scanning mode, single measurement
Switchover meter / yard	yes	yes
Ballistic function	yes	no
Bullet trajectories	EU / US 1 - 12	no
Output ballistic measurement	up to 800 m	no
Output "equivalent horizontal distance"	yes	yes
Output "Holdover"	yes	no
Output "click adjustment"	yes	no
Use of own ballistic data	yes, with SD Card	no
Bluetooth interface	no	no

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LEICA RANGEMASTER CRF

Technical data

Rangefinder	Leica Rangemaster CRF 2700-B	Leica Rangemaster CRF 2400-R
Leica Hunting App	no	no
Eyepieces for eyeglass wearers	yes	yes
Eyecups	turn down rubber eyecups	turn down rubber eyecups
Prism system	Roof prism with phase correction coating P40	Roof prism with phase correction coating P40
Lens coating	AquaDura®	AquaDura®
Laser	Eye-safe invisible laser according to EN and FDA class 1	Eye-safe invisible laser according to EN and FDA class 1
Laser beam divergence	1.2 x 0.5 mrad	1.2 x 0.5 mrad
Display	LED display with 4 digits, easily legible in any light	LED display with 4 digits, easily legible in any light
Barometric pressure sensor	yes	no
Temperature sensor	yes	no
Temperature measurement	-4 up to 131 °F / -20 up to +55 °C	-4 up to 131 °F / -20 up to +55 °C
Angle sensor	yes	yes
Battery	1 x 3 V / Lithium-type C2R	1 x 3 V / Lithium-type C2R
Battery lifetime	approx. 2,000 measurements at 20 °C / 68 °F	approx. 3,000 measurements at 20 °C / 68 °F
Watertightness	Watertight to a depth of 3.2 ft / 1 m	Watertight to a depth of 3.2 ft / 1 m
Housing	Carbon fibre-reinforced plastic material	Carbon fibre-reinforced plastic material
Dimensions (W x H x D)	4.5 x 2.25 x 1.25 in / 113 x 75 x 34 mm	4.5 x 2.25 x 1.25 in / 113 x 75 x 34 mm
Weight	approx. 6.7 oz. / 189 g incl. battery	approx. 6.7 oz. / 189 g incl. battery



LEICA RANGEMASTER CRF

Technical data



Rangefinder	Leica Rangemaster CRF 2800.COM	Leica Rangemaster CRF 3500.COM
Type	--	--
Order No.	40506	40508
Delivery scope	Cordura case, carrying cord, battery	Cordura case, carrying cord, battery
Magnification	7 x	7 x
Front lens diameter	24 mm	24 mm
Exit pupil	3.4 mm	3.4 mm
Twilight factor	13	13
Field of view at 1,000 yds / 1,000 m	345 ft. / 115 m	310 ft. / 103.5 m
Field of view for spectacle wearers	310 ft. / 103.5 m	103.5 m
Eye-relief	15 mm	15 mm
Objective angle of view	6.6°	6.6°
Close distance	33 ft. / 10 m	33 ft. / 10 m
Light transmission	86%	86%
Diopter compensation	± 3.5 dpt	± 3.5 dpt
Distance measurement:		
Range	up to 2,600 m / 2.800 yds	bis 3,200 m / 3,500 yds
Equivalent horizontal range (EHR)	up to 1,200 yds / 1,100 m	up to 1,200 yds / 1,100 m
Measuring accuracy	10 to 200 m approx. ± 0,5m 200 to 400 m approx. ± 1m 400 to 800 m approx. ± 2m 800 to 2,500 m approx. ± 0.5%	10 to 200 m approx. ± 0,5m 200 to 400 m approx. ± 1m 400 to 800 m approx. ± 2m 800 to 2,500 m approx. ± 0.5%
Measuring time	approx. 0,3 s	approx. 0,3 s
Measuring mode	Scanning mode, single measurement	Scanning mode, single measurement
Switchover meter / yard	yes	yes
Ballistic function	yes	yes
Bullet trajectories	EU / US 1 - 12	EU / US 1 - 12
Output "ballistic measurement"	up to 800 m	up to 800 m
Output "equivalent horizontal distance"	yes	yes
Output "Holdover"	yes	yes
Output "click adjustment"	yes	yes
Use of own ballistic data	no	no
Bluetooth interface	yes	yes
Leica Hunting App	yes, and Apple Watch	yes, and Apple Watch

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LEICA RANGEMASTER CRF

Technical data

Rangefinder	Leica Rangemaster CRF 2800.COM	Leica Rangemaster CRF 3500.COM
Eyepieces for eyeglass wearers	yes	yes
Eyecups	turn down rubber eyecups	turn down rubber eyecups
Prism system	Roof prism with phase correction coating P40	Roof prism with phase correction coating P40
Lens coating	AquaDura®	AquaDura®
Laser	Eye-safe invisible laser according to EN and FDA class 1	Eye-safe invisible laser according to EN and FDA class 1
Laser beam divergence	1.2 x 0.5 mrad	1.7 x 0.5 mrad
Display	LED display with 4 digits, easily legible in any light	LED display with 4 digits, easily legible in any light
Barometric pressure sensor	yes	yes
Temperature sensor	yes	yes
Temperature measurement	-4 up to 131 °F / -20 up to +55 °C	-4 up to 131 °F / -20 up to +55 °C
Angle sensor	yes	yes
Battery	1 x 3 V / Lithium-type C2R	1 x 3 V / Lithium-type C2R
Battery lifetime	approx. 500 measurements at 20 °C / 68 °F	approx. 500 measurements at 20 °C / 68 °F
Watertightness	Watertight to a depth of 3.2 ft / 1 m	Watertight to a depth of 3.2 ft / 1 m
Housing	Carbon fibre-reinforced plastic material	Carbon fibre-reinforced plastic material
Dimensions (W x H x D)	4.5x2.25x1.25 in / 113x75x34 mm	4.5x2.25x1.25 in / 113x75x34 mm
Weight	approx. 6.7 oz. / 189 g incl. battery	approx. 6.7 oz. / 189 g incl. battery