



PRESS INFORMATION

Laser rangefinder in a new design

Leica Rangemaster CRF Pro – the compact all-rounder with superior optics and powerful ballistics programs

The new top product from Leica Sport Optics in the compact laser rangefinder segment, the Leica Rangemaster CRF Pro features a thoroughly transformed design and an enhanced optics system, as well as other cutting-edge technology. The small, grippy housing encases outstanding optics, high-precision rangefinding, and powerful ballistics programs. The CRF Pro is the latest addition to Leica's large family of long-range optics, which includes riflescopes, thermal cameras, binoculars, and spotting scopes. Leica engineers are thrilled, saying, "This compact rangefinder is the best we've ever built."

Leica precision long-range optics – prerequisite for an ethical shot!

Wetzlar, Germany. April 05, 2024. Leica Sport Optics proudly presents the Leica Rangemaster CRF Pro, a newly designed laser rangefinder. This is already the third generation of Leica monocular rangefinders, all of which trace their lineage to the Leica LRF 800 from the 1990s. Launched in 2006, the second-generation Leica CRF 1200 inspired many later models – from other brands, as well.

This new model unites highest-precision laser technology, top optical performance and extensive ballistics calculation programs. The combination with digital options considerably expands the range of functions, heralding a new era in Leica optoelectronics.

Benefits at a glance:

- + superlative optical performance for optimum observation and identification
- + highest-precision laser technology for short, medium, and long ranges
- + rapid, intuitive operation

- + perfectly designed housing
- + enormous range of digital functions
- + first time in a compact Leica Rangemaster: advanced Applied Ballistics® software for maximum precision
- + connectivity via Bluetooth®
- + tracking function
- + sensors for additional data

Leica Rangemaster CRF Pro – THE ALL-ROUNDER

The new Leica Rangemaster CRF Pro is the ultimate all-rounder among Leica laser rangefinders. This high-end model shines with highest performance in all areas. Fully-equipped, and with a range of up to 2,600 meters, it ticks all the boxes for long-range shooters, alpine hunters and hunters abroad. Thanks to the integrated ballistics program Applied Ballistics Ultralight™, the Leica Rangemaster CRF Pro can calculate point of impact “out of the box”, even in very complex shooting situations (up to 800 meters). To do this, it employs an extensive database and sophisticated algorithms. Users who require trajectory calculations over very long distances (i.e. maximum range) can upgrade to the ballistics program Applied Ballistics Elite®. With Bluetooth® connectivity to the Leica Ballistics App on the smartphone, the Leica Rangemaster CRF Pro is completely at home in the digital world. Settings on the rangefinder can be made very easily using the clear operating graphics on the smartphone display. Likewise, the CRF Pro can connect to Kestrel® devices and Garmin® watches and thus include crosswinds (wind direction and wind speed) in point-of-impact calculation, for example. Wind parameters can also be entered manually. As the pinnacle of the Leica Rangemaster CRF series, it has built-in sensors for angle, air pressure and temperature, as well as a compass. All of these measured values are used to calculate the bullet trajectory and the point of impact with incredible accuracy.

Users can choose from three output types. The simplest output is “EHR”, where the rangefinder takes the shot angle into account and displays the distance equivalent to a straight shot – this is the “equivalent horizontal range”. “Unit correction” displays, in centimeters, the point-of-impact displacement in the target. In other words, the classic holdover plus the lateral deviation. With the “click correction” output, the computer inside the Leica Rangemaster CRF Pro indicates the necessary adjustment of the elevation and windage turrets on the riflescope. This allows the hunter or shooter to always hold dead center: the point of impact is right where the reticle is. Of course, at 300 or 500 meters, a single click has a greater effect than it does

at 100 meters. The program calculates this difference and specifies the exact clicks required for elevation and windage (lateral) adjustment.

Another unique feature of the Leica Rangemaster CRF Pro is the tracking system LPT™ (Leica ProTrack). With this system, the hunter can locate, mark, and find any point in the terrain – using the CRF Pro. This point is then displayed on the smartphone via compass, measured range and other parameters. Three options are available: 1. The in-app GPS uses a compass to navigate to the destination. 2. A destination marker is set via Google Maps to find that spot in the terrain. 3. The destination data and marker points of the CRF Pro are automatically synchronized with BaseMap® Pro and used for navigation.

Leica ProTrack makes it possible to safely mark a shot in the field over long distances and to find it reliably. Hunters wanted target guidance a long time; the engineers at Leica Sport Optics introduced this function in the Leica Geovid Pro, and now it is also available in the Leica CRF Pro. The Leica ProTrack function is simple and safe.

“The challenge has been met. The Leica Rangemaster CRF Pro is a high-performance device used for long-range shooting, on alpine hunts, or in difficult weather conditions. It combines an excellent optical system, a powerful laser rangefinder and a built-in ballistics program. Thanks to connectivity with the Leica Ballistics App, the hunter is well-equipped for every situation,” says Matthias Raff, Leica Sport Optics Product Manager.

Bright, crystal-clear optics for superior observation

The Leica Rangemaster CRF Pro has excellent, “best in class” optics – thanks to first-rate workmanship, outstanding materials, and improved, extremely efficient reduction of stray light and reflections. Specially-coated prism surfaces play a role in this. By delivering rich detail, sharpness, contrast, and color fidelity, the optics guarantee unique observation moments and reliable identification of game. Hunters benefit from the extraordinarily wide field of view. A pocket rangefinder with the quality of binoculars.

- + best-in-class optics
- + outstanding color fidelity
- + specially-coated prisms
- + enhanced stray-light and reflection correction

Precise and speedy laser for exact rangefinding

Leica Sport Optics has been developing and manufacturing high-quality optoelectronic devices for over 30 years. The name “Geovid” has become a byword for binoculars with laser

rangefinder. The small handheld rangefinders are in no way inferior to the larger devices in terms of technology and precision – they are simply monocular. During rangefinding, the laser beam's travel is timed, either as an individual measurement or continuously (scanning mode). The measurement result is displayed within a fraction of a second. Leica's vast experience ensures accuracy and reliable operation even in very difficult conditions, such as rainy weather.

- + long range
- + rapid and very accurate measurement results
- + individual measurements and scanning mode
- + reliable in difficult conditions

Ballistics and tracking programs for a safe shot and optimum orientation

The Leica Rangemaster CRF Pro is equipped with a powerful ballistics program from Applied Ballistics® as well as sensors for angle, air pressure, and temperature, whose measured values are also taken into account. Crosswind data can be imported from a Kestrel® device via Bluetooth® or entered manually. This results in ultimate precision for point-of-impact correction.

Via wireless connection to the Leica Ballistics App, the tracking system Leica ProTrack (LPT™) can use the range and direction data calculated by the Leica Rangemaster CRF Pro. Navigation is via a simple compass needle or terrain maps. With the compass needle, the direction of travel can be clearly determined. In Google Maps®, the target point is set by a pin, and the BaseMap® app can also be used for tracking. The hunter can even see the position of the target embedded in a graphical terrain. This makes the approach easy and safe, even under challenging conditions.

- + Applied Ballistics Ultralight™ as standard
- + connects to the Leica Ballistics App
- + connects to Kestrel® and Garmin® devices
- + enables tracking to marked terrain points

Special housing and buttons for rapid, intuitive operation

The new housing is compact, grippy, and very easy to handle. For example, the battery compartment can be opened easily, without tools. One rubber element each on the top and bottom give the well-balanced glass a special grip. The handy housing is made of lightweight and durable polycarbonate ABS plastic in olive green. Only a few functions are assigned to each

of the two control buttons. Thanks to one-hand operation, it can be removed from a trouser pocket and put to use in a single smooth motion. Legendary feature: the easy-to-read LED display that's bright and clear under all conditions and automatically adjusts to ambient light.

- + well-balanced, slim design
- + easy-grip rubber inserts and control buttons
- + special green housing color
- + very low weight
- + rapid and intuitive operation

When every second counts, the Leica Rangemaster CRF Pro rangefinder reveals its talents. Perfectly positioned, easy-grip controls and intuitive user guidance enable a quick and reliable aim. Light travels at about 300,000 kilometers per second. The Leica Rangemaster CRF Pro times the interval between the emission of the laser beam and the arrival of its reflection. In less than 0.3 seconds, the rangefinder's computer outputs the exact distance to the target. Measuring accuracy is +/- 0.5 meters at distances between 10 and 200 meters – ideal for bow hunters who require highest precision at shorter distances. The maximum range of the CRF Pro is 2,600 meters.

When every gram counts, the Leica Rangemaster CRF Pro rangefinder is also the perfect companion, because the device is small and light. Stowed in a trouser or jacket pocket, it's ideal for strenuous expeditions. A lightweight Cordura pouch is included for belt attachment, making quick access easy.

Target group and sales launch

The sales launch for the new Leica CRF Pro is scheduled for April 05, 2024. The retail price for the CRF Pro is 899 EUR (Europe) and 799 USD (USA). Two neoprene bags and the CRF tripod adapter are available as accessories.

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| + Long-range shooters | => Benefit: Range of up to 2,600 meters |
| + Hunters abroad | => Benefit: Ballistics programs, tracking function |
| + Alpine hunters | => Benefit: Shot angle is included in calculation. |
| + Bow hunters | => Benefits: Distances displayed in 0.1 meter increments.
Measuring accuracy is +/- 0.5 meters at 10 to 200 meters. |

Benefits for all users: Rugged, lightweight, compact design – and intuitive operation

Note for journalists

Image material for download: <https://extranet.leica-camera.com/s/ZdxExJRMAMmF2at>

Under embargo until: April 05, 2024

For more information

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Technical data

	Rangemaster CRF Pro
Magnification	7x
Lens diameter	24 mm
Exit pupil	3.4 mm
Field of view at 1,000 m / 1,000 yds	115 m / 405 ft
Close-up focus	10 m / approx. 16 ft
Diopter adjustment	+/- 3.5 dpt
Lens coating	High Durable Coating (HDC™) and hydrophobic Aqua-Dura® coating on outer lenses
Prism system	roof prism system with phase-correction coating P40
Eyecups	turn-down rubber eyecups
Display	LED display with 4 digits and symbols, automatic brightness control
Laser type	eye-safe invisible laser according to EN and FDA class 1
Measuring time	max. 0.3 seconds
Measuring accuracy	+/- 0.5 m at 10–200 m +/- 0.5 yds at 10–219 yds +/- 1.0 m at 200–1,000 m +/- 1.0 yds at 219–1,093 yds +/- 0.5 % beyond 1,000 m +/- 0.5 % beyond 1,093 yds
Display accuracy	in 0.1 meter increments
Switching option meters / yards	yes
Range	10 to approx. 2,600 m / 2,800 yds
Measuring range for equivalent horizontal range (EHR)	10 to approx. 2,600 m / 2,800 yds
Measurement logic	optimum target
Corrected output with Applied Ballistics Ultralight™ (standard)	max. 800 m / 875 yds
Corrected output with Applied Ballistics Elite® (upgrade)	max. 2,600 m / 2,800 yds
Measuring methods	scan mode / individual measurement
Ballistics computer	yes
Output “equivalent horizontal range” (EHR)	yes
Output “unit correction” for elevation and windage	yes
Output “click correction” for elevation and windage	yes
On-board wind correction	yes

	Rangemaster CRF Pro
Upgrade to Applied Ballistics Elite® with creation of individual ballistics profiles	yes
GPS tracking function LPT™ (Leica ProTrack)	yes
Connection to external apps	Basemap®
Wireless connection	Bluetooth®
Connection to Leica Ballistics App	possible
Connection to Kestrel® / Garmin® devices	possible
Sensors	temperature, air pressure, angle, compass
Waterproof rating	waterproof to 1 m / 3.2 ft
Battery	1 x 3 V / Lithium type CR2
Battery life	approx. 1,700 measurements at 20 °C / 68 °F*
Housing material	fiberglass-reinforced plastic
Dimensions (L x H x D)	113 x 78 x 35 mm
Weight	approx. 185 g
Scope of delivery	Cordura case, neoprene carrying strap, battery

*with Bluetooth® switched off