

LRF-5 is an intelligent portable monocular Laser Range Finder with long-distance, high-precision single ranging, continuous ranging, multi-target relative ranging, self-positioning and target positioning functions

The direct-view optics has no delay or frame drop and can be used for environmental reconnaissance and mapping, artillery impact point correction, etc.



Specification	
Sensor	1535nm
Ranging Capability	No less than 50m ~ 5000m
Measurement Accuracy	≤1m (Range ≤2km) ; ≤3m (Range > 2km)
Measurement Frequency	1Hz to 10Hz
Objective Lens	35mm
Eye Relief	18mm
Scanning Mode	High-precision single ranging, continuous ranging, multi-target relative ranging
Positioning and Orientation	
GPS	GPS/BeiDou/Glonass/combination
Own positioning accuracy Horizontal	Horizontal 2.5m (CEP), elevation 10m (PE)
Target positioning accuracy	≤20m (5km, after map calibration)
Refresh Rate	1Hz to 10Hz
Azimuth measurement range	0°~359°
Azimuth measurement accuracy	≤0.3° (5Mil) (RMS, host inclination is 0°)
Pitch angle measurement range	+90°~-90°
Pitch angle measurement accuracy	≤0.1° (2Mil) (RMS, @-81°~81°)
Roll angle measurement range	+180°~-180°
Roll angle measurement accuracy	≤0.1° (2Mil) (@-65°≤pitch angle≤65°)
Compass calibration	Manual
BDX	Supported
Meteorological sensor	Temperature, humidity and air pressure
Display & Interfaces	
Type	OLED, 1920×1080
Display Size	0.71 inches
Diopter	Adjustable eyepiece/Power off when eye not in contact/Automatic Brightness Control
Storage	32GB
Connectivity	USB-C/WI-FI/HDMI/
External Control	RS232
Environmental	
Working Temperature	-40°C~60°C, ≤95%
Enclosure Rating	IP67 Designed to MIL-STD-810 Standard
Power Supply	
Battery Type	Rechargeable Lithium Ion Battery ICR18650, 2 each
Battery Hours	5000 Measures / 8 hours Continuous working Time (25°C ambient temperature)
Battery Charger	110/220v Charger to DC12V
Physical Specification	
Weight	700g including the battery
Dimensions	190mm*125mm*70mm
Accessories	Access cable x1, carry bag x 1 , charger x 1 Manual x 1