

LRB 21K / LRB 25000 SERIES



LRB 21K



LRB 25000

FEATURES:

- First/Last target selection
- High fog/smoke penetration
- Invisible to night vision devices

The LRB 21K is a new long range bi-ocular rangefinder enclosed in a fully waterproof modern housing with a bright-lit multi-line display. This model has additional capabilities when compared to the LRB 25000. It delivers an impressive set of add-on features that include a precise 3-axis compass and/or embedded GPS receiver. The GPS receiver component allows instant calculations of target coordinates.

The LRB 25000 is a long range laser rangefinder capable of measuring distance up to 25 kilometres utilizing a time-of-flight delay algorithm and single-pulse laser technology. The LRB 25000 features a 1540 nanometre laser and is Class 1 eye-safe.

The measurement result is displayed through the eyepiece and can be transferred for processing through a computer port (RS-232). The LRB 25000 can be remotely activated and operated. This instrument has a comprehensive digital display and variable range settings. Compact and lightweight and designed to withstand a wide range of environmental conditions, this binocular is well suited for topography, geodesy, marine navigation, highway and power line construction, airborne altimetry and location, meteorology and other professional activities.



Specifications

	LRB 21K	LRB 25000
Magnification	8x	7.5x
Field of view	7°	5.5°
Laser wavelength	1540 nm	1540 nm
Laser type	Erbium Glass	Erbium Glass

Rangefinder

Photo detector type	APD	APD
Measuring range	50-21,000 m	60-25,000 m
Accuracy	± 5 m	± 5 m
Gating range	100-6,000 m	60-4,500 m
Gating accuracy	100 m	20 m
Laser beam divergence (at 80% of power level)	1.0 mrad	1.0 mrad
Pulse repetition rate	0.2 Hz	0.15 Hz
Diopter adjustment	± 4	± 4
Visual channel objective lens aperture	43 mm	43 mm
Bidirectional interface	RS232	RS232
GPS target coordinate	V	-
3-axis digital compass	V	-

Environmental

Operating humidity	≤98%	≤98%
Operating temperature range	-35°C ... +50°C	-20°C ... +50°C
Storage temperature range	-30°C ... +60°C	-30°C ... +60°C

Miscellaneous

Power supply	Non-magnetic 6V	DC 12V / NiCd battery
External power supply	V	-
Protective filter against non eye-safe lasers	Optional	Optional
Tripod socket ¼"	Optional	Optional
Dimensions	225x220x110 mm	220x200x90 mm
Weight	2.2 kg	1.9 kg