

LRB 25000 laser distance meter

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LRB 25000 is a long range binocular laser rangefinder capable of measuring distance up to 25 km accordingly utilizing time-of-flight delay algorithm and a single-pulse laser technology. The binocular operates on 1540 nanometer lasers and are Class 1 eye-safe.

Result of measurement is displayed through the eyepiece and can be transferred for processing via computer port (RS232). The LRB 25000 can be remotely activated and operated. This instrument has comprehensive digital display and variable range settings.

Compact and lightweight, designed to withstand wide range of environmental conditions, this binocular is beneficial for topography, geodesy, marine navigation, highway and power line construction, airborne altimetry and location, meteorology and other professional activities.

FEATURES:

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



LRB 25000

Specifications

Magnification	7.5x
Field of view	5.5°
Laser wavelength	1.54 mkm
Laser Type	Erbium Glass

Range Finder

Pulse energy	5-8 mJ
Pulse duration at 1/2 width	~30 ns
Photo detector type	Ge Avalanche
Measuring range	60-25,000 m
Accuracy	± 5 m
Gating range	60-4,500 m
Gating accuracy	20 m
Laser beam divergence (at 80% of power level)	1.0 mrad
Pulse repetition rate	0.15 Hz
Dioptre adjustment	± 4
Visual channel objective lens aperture	43 mm
Interface	RS232

Environmental

Operating temperature range	-20°C ... +50°C
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Miscellaneous

Power supply	DC 12V / NiCd battery
Protective filter against non eye-safe lasers	Optional
Tripod socket 1/4"	Optional
Dimensions	220x200x90 mm
Weight	1.9 kg



LRB 25000 with NVS 14 night vision monocular attached