

LH41/LH41C

Handheld Eyesafe Laser Rangefinders



Features

- Eyesafe
- External GPS interface (LH41C only)
- Lightweight
- Range up to 20 km
- Compact design
- Easy and safe operation
- Sturdy and reliable
- Can be combined with a night vision device



We make it visible.

LH41/LH41C

Description

This range of compact, high-performance eyesafe laser rangefinders (LRF) has a distance measuring capability of up to 20 km. Range measurement is achieved using single-pulse, erbium-glass laser technology operating at an eyesafe wavelength of 1.54 μm .

An external communication connector enables output of range data for further processing or remote display, and input for remote operation of the LRF. A dovetail mount allows precise connection of the unit to rigid supports.

The LH41C features an integrated digital magnetic compass for target bearing and elevation data. Calibration of the compass is performed via a menu-guided process and the magnetic declination is user-adjustable. The LH41C can be connected via cable to an optional external GPS system to obtain instant target location data.

Standard AA batteries are used to power the unit. The rangefinder can also operate from any external source with a wide voltage range of 8 V to 30 V DC, including vehicle batteries.

Technical Data

	LH41	LH41C
Laser type	Erbium glass, 1.54 μm	
Safety class	Class 1 according to ANSI Z136.1-2000 Class 1M according to IEC 60825-1 Ed 1.2 of 2001-08	
Nominal ocular hazard distance NOHD	0 m	
Measuring range	80 m to 20,500 m	
Range resolution	5 m	
Standard measuring rate	1 measurement every 6 seconds	
Fast measuring rate	1 measurement every 3 seconds (limited period)	
Multiple targets	First and last	1st, 2nd and last
Target discrimination	50 m	50 m
Integrated digital magnetic compass	No	Yes
Compass azimuth accuracy	N/A	$\pm 0.5^\circ$
Compass elevation accuracy	N/A	$\pm 0.2^\circ$
Aiming sight optical characteristics	6x magnification, 6° field of view	
Eyepiece characteristics	18 mm eye relief, -4 to +2 dioptre setting, 1064 laser filter	
Aiming reticle characteristics	Aiming circle with mils scale, automatic reticle illumination	
Batteries	8 x AA (NiCd, alkaline, lithium or NiMH)	
External power	8 to 30 Vdc	
Operating temperature	-30°C to +55°C	
Storage temperature	-40°C to +70°C	
Mass, including batteries	<1.65 kg	
Size	170 mm (L) x 165 mm (W) x 80 mm (H)	
Interface	RS422	RS232
GPS compatibility	None	PLGR I, I+96, II Garmin 12, 76
Tripod interface	Dovetail	Dovetail and standard ¼" BSW

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