

1. Main Features

The LRF01 or 02 is a laser activated distance-measuring telescope (DMT), which combines the function of common telescope and laser distance-measuring instrument. The range finder using only a mild laser emission, making it is safe for eyes, can measure any object within its operating range of 15m to 600m. The range finder is compact allowing it to be easily carried in the included carry case. It only needs a 3V (CR2) battery that is available at most camera or electronics stores. During Rain effected days the RAIN setting ensure accurate readings. Additionally where small objects such as electrical wires are present the ">150 setting ensures the reading of distant objects is possible.

The laser range finder is ideal for sportsmen, farmers, professionals who need to measure distances accurately.

External Features

- 1 ---- The telescope eyepiece (inner—distance display)
- 2 ---- The telescope objective (laser emission)
- 3 ---- Laser reception objective
- 4 ---- Mode button
- 5 ---- Triggering button
- 6 ---- Battery lid

2. The performance characteristics

- 2.1 Measurement range: 15---600m
- 2.2 Measurement: semiconductor laser measurement (harmless for eyes)
- 2.3 Error in measurement: $\pm 1m \pm 0.1\%$

2.4 The measurement display: Inner-vision-field LCD display

2.5 Effective objective lens aperture: 25 mm

2.6 Lens coating: multiple lens coating

2.7 Outlet pupil diameter: 3.8 mm

2.8 Outlet pupil distance: 12 mm

2.9 The ocular focus: eyepiece focusing

adjustment

2.10 The telescope multiplying power: 6X

2.11 Field of view : 1000 m: 122 m

2.12 The mode of measurement: STANDARD

(if no display): RAIN; RELF>150;

2.13 Mains voltage: 3V (included)

2.14 The size of the shape: 40×99×68 mm

2.15 Weight: 180g

2.16 Water-proof function: not water-proof

Look through the eye piece at the object you require the range. Press the Adjust/On button once to activate the LCD display. Place the object in the center of the reticle marked **1** on the LCD display.

Press the Adjust/On Button again for 1-2 seconds until the range is displayed in the area marked **2**. When the LASER **3** sign is displayed the rangefinder is sending and receiving the signal.

The Quality of the measurement can be effected by local conditions the QUALITY **5** reading is indicated for your reference. Should rain be present you may press the Mode Button once and the RAIN indicator **4** is displayed. Press the On adjust reading again for the measurement.

3. Range Finder Operation

Should you find fog or mist is present and effecting a measurement then Press the Mode button twice to display the REFL **4** indicator and take the measurement again.

Should you find Wires or other small object effecting the measurement then press the mode button three times to display the >150 **4** indicator and take the measurement again.

The Laser rangefinder is set at the factory to measure either YARDS or METERS **3**.

The BATT **7** indicator is displayed when the battery needs to be changed.

4. Points for attention

- 5.1 Don't take apart the range finder in order not to damage the inner electric circuit.
- 5.2 Don't clean the outside of the lens with hands, please clean the lens with appropriate lens-cloth . The outside lens should be cleansed with soft cloth.
- 5.3 Don't invert the battery.
- 5.4 The battery should be taken out if the rangefinder isn't in use for a long time.
- 5.5 It should be put in a dry place when not in use
- 5.6 It should be used when the temperature is between -20℃---40℃.

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Laser Range Finder

LRF01/02

