

Cabela's®

by  Bushnell®



CLR 800™ LASER RANGEFINDER INSTRUCTION MANUAL

BPO Model #: 20-3125
BPO Lit. #: 98-0214/02-03

Your Cabela's CLR 800 by Bushnell® is a precision instrument designed to provide many years of enjoyment. This booklet will help you achieve optimum performance by explaining its adjustments and features as well as how to care for this precise laser ranging instrument. To ensure optimal performance and longevity, please read these instructions before using your CLR 800.

INTRODUCTION

Your CLR 800 is the world's most simple to use, yet advanced laser rangefinder. Using Digital Technology and measuring a mere 1.9 x 4.1 x 4.2 inches, the 8 ounce CLR 800 delivers superb and accurate range performance to +/- one yard. Range to a deer as far as 300 yards out, or to a tree 600 yards away for a reference point. The single button operation allows outdoor enthusiasts to easily measure distance with confidence.

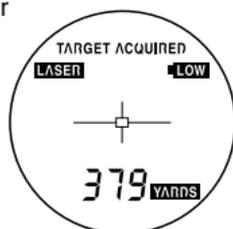
The CLR 800 emits invisible, eyesafe, infrared energy pulses. Sophisticated digital technology instantaneously calculates distances by measuring the time it takes for each pulse to travel from the rangefinder, to the target, and back.

The ranging accuracy of the CLR 800 is plus or minus one yard under most circumstances. The maximum range of the instrument depends on the reflectivity of the target. The maximum distance for most objects is 600 yards while for highly reflective objects the maximum is 800 yards. Note: You will get both longer and shorter maximum distances depending on the reflective properties of the particular target and the environmental conditions at the time the distance of an object is being measured.

The color, surface finish, size and shape of the target all affect reflectivity and range. The brighter the color, the longer the range. Red is highly reflective, for example, and allows longer ranges than the color black, which is the least reflective color. A shiny finish provides more range than a dull one. A small target is more difficult to range than a larger target. The angle to the target also has an effect. Shooting to a target at a 90 degree angle (where the target surface is perpendicular to the flight path of the emitted energy pulses) provides good range while a steep angle on the other hand, provides limited ranging. In addition, lighting conditions (e.g. the amount of sunlight) will affect the ranging capabilities of the unit. The less light (e.g. overcast skies) the farther the unit's maximum range will be. Conversely, very sunny days will decrease the unit's maximum range.

OPERATIONAL SUMMARY

While looking through the monocular, depress the power button once to activate the inview display system (LCD). Aim the CLR 800 at a target at least 5 yards away, depress and hold the power button down until range reading is displayed. Release the power button. Note: Once activated, the CLR 800's LCD will remain active and display the last distance measurement for 30 seconds. You can depress the power button again at any time to distance to a new target. As with any laser device, it is not recommended to directly view the emissions for long periods of time with magnified lenses.



FEATURES

Your CLR 800's LCD incorporates illuminated indicators that advise you unit of measure, when the laser is active, the battery charge is low, and when a target has been acquired. A summary of these features is presented below:

ILLUMINATING INDICATORS Low Battery Charge (**LOW**) When the low battery symbol is displayed in the upper right-hand portion of the LCD, the battery charge is getting low and the 9-volt alkaline battery should be replaced.

Target Acquired: Informs the user that a distance measurement has been obtained. The message "TARGET ACQUIRED" will appear in the top portion of the LCD. The distance measured will appear at the bottom of the LCD in numerical form.

SPECIFICATIONS

OPTICAL DESIGN The CLR 800 features a Perma Focus monocular optical system for viewing your target. A liquid crystal display (LCD) is mounted within the optical system and when activated, displays a reticle for targeting, yards, and low battery indicators. Inherent in the manufacturing process are small black spots that appear in the optical system. These are a natural characteristic of the LCD and cannot be fully eliminated in the manufacturing process. They do not affect the distancing performance of the unit.

Dimensions: Pocket Size, measuring 1.9 x 4.1 x 4.2 inches

Weight: 8 oz.

Accuracy: +/- 1 yard

Magnification: 5x

Display: LCD (even and odd numbers)

Power Source: 9 volt alkaline battery (user supplied)

FOV: 341 ft. @ 1000 yards

Total Eye Relief: 19mm

Exit Pupil: 4 mm

Single Button Operation

Water resistant

5-yard minimum, 800 yards to a reflective target, 600 yards to a tree, 300 yards to a deer

Includes case and strap

CLEANING

We suggest using the Cabela's lens pen as an effective tool for keeping your CLR 800 in top condition. However, you may also gently blow away any dust or debris on the lenses (or use a soft lens brush). To remove dirt or fingerprints, clean with a soft cotton cloth, rubbing in a circular motion. Use of a coarse cloth or unnecessary rubbing may scratch the lens surface and eventually cause permanent damage. For a more thorough cleaning, photographic lens tissue and photographic-type lens cleaning fluid or isopropyl alcohol may be used. Always apply the fluid to the cleaning cloth - never directly on the lens.

TROUBLE SHOOTING TABLE

If unit does not turn on - LCD does not illuminate:

- Depress power button.
- Check and if necessary, replace battery.

If unit powers down (display goes blank when attempting to power the laser):

- The battery is either weak or low quality. Replace the battery with a good quality alkaline battery. Heavy Duty alkaline batteries are NOT recommended.

There is no reset button to clear last range reading before ranging another target:

- The last range reading does not need to be cleared before ranging another target. Simply aim at the new target using the LCD's reticle, depress the power button and hold until new range reading is displayed.

If target range cannot be obtained:

- Make sure LCD is illuminated.
- Make sure that the power button is being depressed
- Make sure that nothing, such as your hand or finger, is blocking the objective lenses (lenses closest to the target) that emit and receive the laser pulses.
- Make sure unit is held steady while depressing power button.

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