Operating Instructions

Simmons® Yardage Master 800 Model 801445

Introduction

The Simmons® **Yardage Master** 800 displays distance in feet, yards and meters, and is accurate to within one foot from a distance of 10 to over 800 yards. It can also measure speeds up to 400 mph. It's resistant to the elements and has built-in operation modes to ignore rain and close up objects like brush. It is virtually silent, is ultra-compact and is ideal for the hunter or golfer.

Parts List

- Yardage Master device; 3-volt battery; hand strap; carry case.

Operation

- **Install battery:** Turn the device upside-down and firmly push the battery compartment lid outward to pop open the battery compartment. Insert the supplied CR2 3-volt battery into the compartment in the orientation indicated by the illustration in the battery slot in the pack (with "+" tab side down).

  Note: *Follow the battery manufacturer's precautions. Do not install the battery backward. If these precautions are not followed, the battery may explode, catch fire or leak. An improperly installed battery voids your Simmons warranty.*

  Slide the battery compartment lid into place and press down firmly to snap the lid back into place. When the batteries are low, the low battery indicator is lit in the display.
- **Turn on power to the device:** Press Range button to power on the unit.
- **If you wear eyeglasses:** Roll down the rubber eyecup and hold the eyepiece up against your eyeglasses.
- **To focus on an object**: Rotate the eyepiece until the object comes into sharp focus.
- **To take a range reading**: Press the Range button to take a range measurement. The measurement is displayed on the internal liquid crystal display (LCD).

  While taking the range measurement, two vertical bars display. Distance is displayed for 10 seconds. If the Range button is held down, one measurement per second is taken.

  While you are taking a range measurement, try to hold the Yardage Master steady and fixed on one object. If you keep moving the device about, Yardage Master may not display a true distance measurement.

  If the target is too close or too far, and the target cannot be acquired, an elongated zero appears on the LCD.

Range Specifications:

Maximum range to a reflective street sign:	800 yards
Maximum range to a building:	710 yards
Maximum range to a tree	593 yards
Maximum range to a golf flagpole:	307 yards
Maximum range for speed measurement (0 MPH to 409 MPH):	305 yards
Minimum range:	10 yards

- **Power Off:** If no buttons are pressed for 10 seconds, the unit powers off automatically.

Operation Modes

- **To Change Modes:** After pressing the Range button, press the Mode button repeatedly to cycle through the modes.

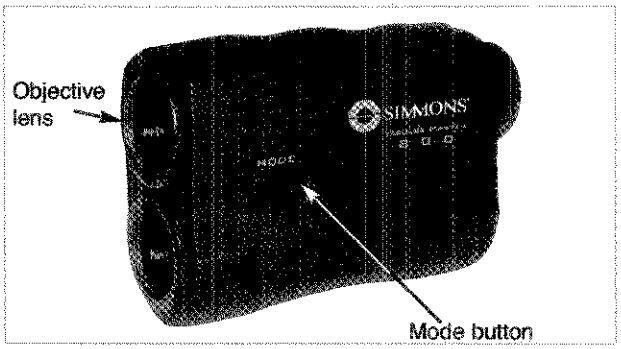

Fig. 1: Rangefinder, side view

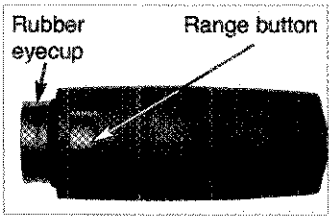

Fig. 2: Top view

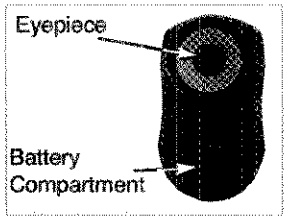

Fig. 3: Back view

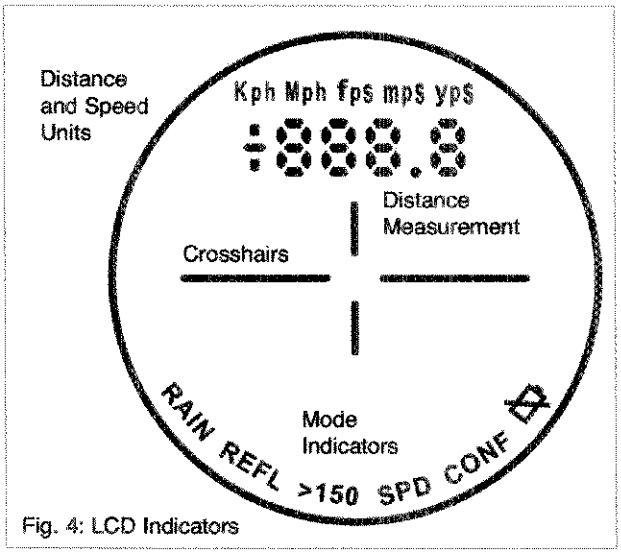

Fig. 4: LCD Indicators

One of the mode indicators is lit to show which mode is currently selected. The following modes are available:

- **Normal Mode:** This is the normal operating mode. The indicator is not lit in this mode.
- **Rain Mode:** Select this mode to filter out rain drops. Maximum range is reduced in this mode.
- **REFL (Reflective):** The Reflective indicator is turned on automatically when a target is very reflective.
- **>150 (Greater than 150):** Select this mode to force the Yardage Master to ignore targets that are closer than 150 yards away.
- **SPD (Speed):** Use this mode to measure the speed of a moving target.

  To use the SPD mode: Keep pressing the Mode button until the SPD indicator is lit. Then press and hold down the Range button while aiming at a moving target,

keeping the target in the crosshairs. Two and then four bars appear on the LCD.

After about one second, the speed measurement displays in the currently selected units (see "CONF" below for more information). If you continue to hold down the Range button, the measurement is updated at one second intervals.

- **CONF (Configuration):** Use this mode to change the distance and speed measurement units. The current units (both distance and speed) are turned on at the top of the display.

  To use the CONF mode: Keep pressing the Mode button until the CONF indicator is lit. Then press and hold down the Range button—the currently selected distance measurement unit (meters, yards or feet) will start to blink. Keep pressing the Mode button until the desired measurement unit starts to blink.

  Then press the Range button again and the current speed measurement unit (kilometers/hour, etc.) will start to blink. Keep pressing the Mode button until the desired speed measurement unit starts to blink.

  Finally, press the range button to activate both the distance and speed selections.

General Specifications

Size:	1.5" x 4" x 2.75"
Weight:	7.2 oz (w/battery)
Accuracy:	± 1 foot
Magnification:	6x
LCD	Internal
Field of View:	310 ft @ 1000 yds (6°)
Eye relief:	10mm
Exit pupil:	4mm
Objective focal length:	90mm
Self-calibration	Automatic
Battery type:	CR-2 3 volt lithium (included)
Battery Life:	Good for 3600 ranges
Audible noise:	0dB
Water resistant	
Units of measurement:	
Distance:	Meters, Yards, Feet
Speed:	Kilometers/hour, Miles/hour Feet/second, Meters/second Yards/second

Carry case and strap included

Cautions and Warnings

Warning! Service is not possible to the sealed housing. Do not attempt to remove the covers.

Caution: Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Visually inspect the rangefinder periodically to insure that housing is not damaged. Cease usage if housing is found to be damaged.

Laser Energy up to 0.66 uJ in a 25ns pulse is present in the interior.

Warranty

Every Simmons® Yardage Master device is warranted by Simmons Optics ("Simmons") to be free of defects in materials and workmanship for a period of ONE YEAR from the date of original purchase in the U.S.A. and Canada. At its option, Simmons will replace the product found upon inspection by Simmons to be defective, provided the defective product is returned to Simmons, as explained below. This warranty applies to the original purchaser only and is non-transferable. Simmons products purchased outside North America are not included in this warranty, but are covered under separate warranties issued by Simmons International Distributors.

RGA Number Required: Prior to the return of any product, a Return Goods Authorization (RGA) number **must** be obtained from Simmons by calling (800) 626-3233. Each returned product must include a written statement detailing the nature of the claimed defect, as well as the owner's name, address, and phone number.

This warranty is not valid in cases where the product has been abused or mishandled, where unauthorized repairs have been attempted or performed, or where depreciation of the product is due to normal wear-and tear. Simmons specifically disclaims special, indirect, or consequential damages or lost profit, which may result from a breach of this warranty. Any implied warranties which cannot be disclaimed are hereby limited to a term of one year from the date of original retail purchase.

This warranty gives you specific rights. You may have other rights which vary from state to state. Simmons reserves the right to change product specifications or to discontinue productions without prior notice. This warranty supersedes all previous Simmons rangefinder warranties.

Any return made in the U.S.A. under this limited warranty must follow this procedure:

Packaging:
If possible, ship the product in its original packaging. Please be sure to wrap the package securely and use filament strapping tape on the outside of the package. Send only the product to be repaired. Please do not send accessory items, such as filters, etc.

What to Include with Your Product:

- A short note explaining the reasons you are sending the product in for replacement.
- Your daytime phone number.
- The RGA Number
- An address for returning your product to you. (No PO boxes, please).
- A check or money order in the amount of $10 to cover shipping and handling fees.

Shipping:
We recommend that you ship your product to us by a traceable parcel service. We also recommend that you insure your shipment against loss. Many carriers automatically insure packages up to a certain nominal amount, typically $100. Please check to see if the insurance provided by the carrier is adequate to cover the replacement value of your product. If you live in the United states, your product should be sent, freight prepaid, to:

Simmons Optics
Attn: Yardage Master Repair
6001 Oak Canyon
Irvine, CA 92618

If you have a question concerning use of the **Yardage Master,** call the Simmons Customer Service Department at (800) 626-3233. Customer Service hours are 8:00 AM to 5:00 PM, Pacific Time, Monday through Friday.

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FCC/CE & Patent Pending

CLASS 1 LASER PRODUCT
PER
IEC 60825-1:1993+A1:1997+A2:2001
EN 60825-1:1994+A11:1996+A2:2001

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