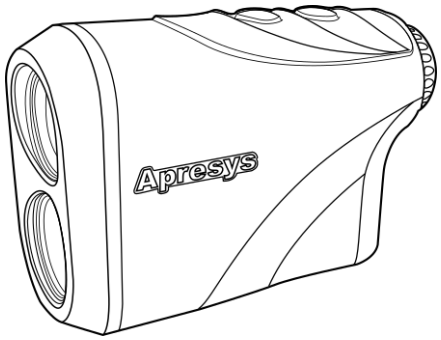
Apresys®



Apresys eXpert Laser Rangefinder

User Manual

Thank you for purchasing the Apresys eXpert Laser Rangefinder

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure and will void warranty

- Before using this product, thoroughly read the Safety Precautions and Warnings and instruction on correct usage accompanying the product.
- Keep this manual available for easy reference.
- Do not disassemble or repair this product by anyone other than authorized manufacturer's representative, as that will void the warranty.

- Specifications and design are subject to change without notice.
- No reproduction in any form of this manual, in whole or in part (except for brief quotations in critical articles or reviews), may be made without written authorization from Apresys International, Corp.
- Apresys International, Corp. reserves the right to change the contents described in these manuals at any time and without prior notice.

Safety Precautions (Laser)

The Apresys eXpert Laser Rangefinder uses an invisible laser beam. Make sure to observe the following:

- Do not activate the measurement function while looking into the optics from the objective side. Failure to do so may negatively affect or damage your eyes.
- Do not aim at an eye.
- Do not point the laser at people.
- Do not look at the laser through another optical instrument.
- When not in use for an extended period, the battery should be removed from the compartment.
- Keep the Apresys eXpert Laser Rangefinder out of reach of children.

Safety Precautions (Optical)

The Apresys eXpert Laser Rangefinder uses an optical system in order to aim at a target. Make sure to observe the following:

- Never look directly at the sun, an intense light source or laser beam when using the Apresys eXpert Laser Rangefinder.
- Do not use this product when walking. Failure to do so may cause injury or malfunction as a result of walking into something, hitting others, falling or other accidents.
- Do not swing around by the strap.
- Do not place this product on an unstable surface.
- Keep the plastic bag used to wrap this product or other small parts out of reach of children.
- Prevent children from putting small parts into their mouths. If swallowed, consult a doctor immediately.
- The use of rubber eyepiece may cause skin irritation or inflammation in some case. If any symptoms occur, stop using this product immediately and consult a doctor.
- When transporting or carrying the Apresys eXpert Laser Rangefinder, store it in the included soft case.
- If your Apresys eXpert Laser Rangefinder should fail to operate correctly, stop using it immediately and consult your local dealer for instructions on its repair.

Safety Precautions (Lithium Battery)

If handled incorrectly, the battery may rupture and leak, corroding equipment and staining clothing. Make sure to observe the following:

- Install the battery with + and – poles correctly positioned.
- The battery should be removed when exhausted or during extended period of non-use.
- Do not short the end terminal of the battery compartment.
- Do not carry the battery together with keys or coins in a pocket or bag, it may short and cause overheating.
- Do not expose the battery to water or flame. Never disassemble the battery.
- Do not charge the lithium battery.
- If liquid from a damaged battery comes into contact with clothing or skin, rinse immediately with plenty of water. If liquid from a damaged battery comes into contact with eyes, rinse immediately with clean water and consult a doctor.
- When disposing the battery, make sure to follow local regulations.

Safety Precautions (General)

- Although the Apresys eXpert Laser Rangefinder is waterproof, it is not designed to be submersible.

- Rain, water, sand or mud should be removed from the body of the product as soon as possible, using a soft, clean cloth.
- Do not leave the Apresys eXpert Laser Rangefinder in a car on a hot or sunny day, or near a heat-generating equipment. Doing so may negatively affect its operation.
- Do not leave the Apresys eXpert Laser Rangefinder in direct sunlight. UV and excessive heat may negatively affect or damage the unit.
- If the Apresys eXpert Laser Rangefinder is exposed to sudden changes in temperature, condensation may occur on lens surfaces. Do not use this product until such condensation has evaporated.

Care and Maintenance (Lenses)

- When removing dust from the lens surface, use a soft, oil-free brush.
- When removing stains or smudges, like fingerprints, from the lens surface, wipe the lenses very gently with a soft, clean, lint-free cloth or quality oil-free lens tissue. Once a cloth has been used for cleaning the body, it should not be used for lens surface.

Care and Maintenance (Main Body)

- Clean the body with a soft, clean cloth. Do not use cleaners containing solvents.

Storage

- Water condensation or mold may occur due to high humidity. It is recommended to store the Apresys eXpert Laser Rangefinder in a cool, dry place.
- After use in inclement weather, thoroughly dry the Apresys eXpert Laser Rangefinder at room temperature, then store it in a cool and dry place.

Key Features

- High quality 6X monocular with multilayer coating.
- Clean, intuitive display.
- Multiple modes.
- Advanced data selection, including angle compensation.
- Automatic power shot-off (after approx. 15 sec of non-operation)
- Waterproof design for inclement weather (NOT submersible).
- Invisible/Eyesafe Class 1 Laser

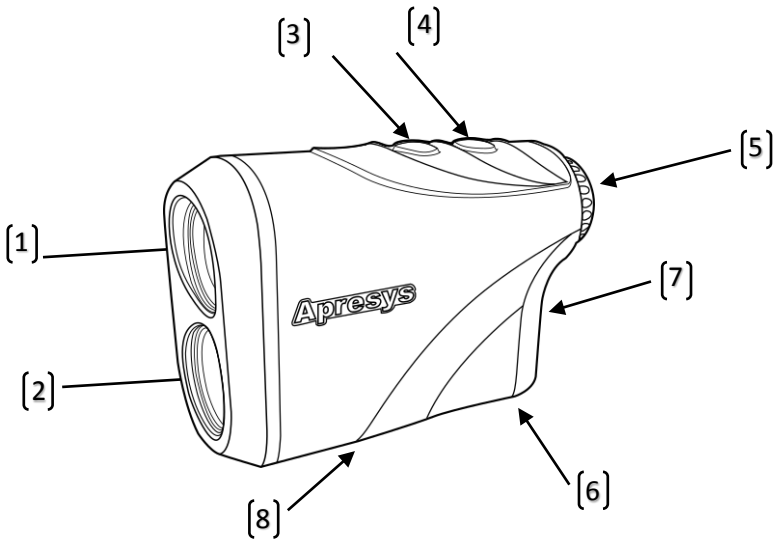
The Apresys eXpert Laser Rangefinder uses an invisible laser beam for measurement. In simplified terms, it calculates the time it takes the laser beam to travel to the target and back. Laser reflectivity and accuracy of the results may vary according to climatic and environmental conditions, as well as the color, surface finish, size, shape, and other characteristics of the target.

Distance and accuracy of the measurements may be increased by the following conditions:

- Overcast weather
- Bright-colored target
- Target with reflective surface
- Large size target
- Angle of the laser beam to the target is equal, or close to, 90°

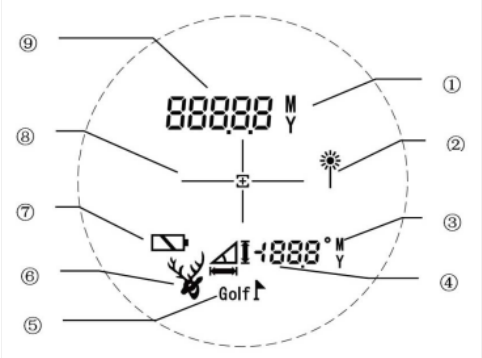
Distance and accuracy (or even failure) of the measurements may be decreased by the following conditions:

- Non-reflective target surface
- Diffusive reflective target surface
- Dark-colored target
- Low visibility conditions (snow, rain, or fog)
- Target measured through glass
- Obscured target



1. Monocular objective lens / Laser detector aperture
2. Laser emission aperture
3. MODE button
4. ▲ Power On / Measurement button
5. Monocular eyepiece / Diopter adjustment
6. Battery compartment cover
7. Strap eyelet
8. Product information / FDA information label

Internal Display



1. Unit of measure (meters/yards)
2. Laser activation mark
3. Unit of measure for selected data display (meters/yards/degrees)
4. Selected data display (horizontal distance/vertical distance/slope angle)
5. Indication of Golf/Flag mode selected
6. Indication of Hunting mode selected
7. Low power indicator
8. Aiming reticule
9. Line of sight distance display

*The display of this product is magnified by the high magnification of the eyepiece. Although the display is produced using the most advanced technology available, it is impossible to completely illuminate dust. As a result, some dust particles may be seen through the eyepiece. This will not affect measurement accuracy or environmental rating of the product.

Measurement data selection

*The line of sight distance will always display at the top of the display.

1. Turn on the power by briefly pressing the ▲ button (confirm that the display is on by looking through the eyepiece).
2. Press and hold (approx. 3 sec) the MODE button to cycle through available options



Indicates slope angle (degrees)



Indicates vertical distance between level (0° slope) and point of measurement (yards/meters)



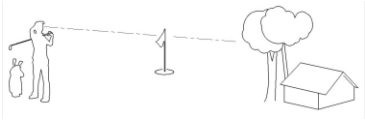
Indicates horizontal (angle adjusted) distance to point of measurement (yards/meters)

Target Priority (Hunting/Golf) Mode selection

1. Turn on the power by briefly pressing the ▲ button (confirm that the display is on by looking through the eyepiece).
2. Briefly press the MODE button to switch between Distant Target Priority / Hunting ( ) and Close Target Priority / Golf ( ) mode. When neither icon is illuminated, standard mode is in effect and no special priority will be assigned.



Distant Target Priority / Hunting mode will disregard close obstructions such as brush and tree branches when calculating range. If two overlapping objects are measured, the distance to the farther object will be displayed.



Close Target Priority / Golf mode will give priority to closer targets while disregarding a possibly stronger return from larger background. If two overlapping objects are measured, the distance to the closest object will be displayed.

Units of measure and Saved data selection

The Apresys eXpert Laser Rangefinder can display the measurement data in either meters or yards. It will also record the last 100 measurements (in Single mode only) to be recalled at a later time.

1. Turn on the power by briefly pressing the ▲ button (confirm that the display is on by looking through the eyepiece).
2. Press and hold the MODE button. Within 2 seconds (and while holding down the MODE button) press the ▲ button to cycle through Meters (M), Yards (Y), and Saved (DATA) options. Release the MODE button to choose the option currently showing on the display.
3. In the Saved (DATA) mode, the ▲ button will display the latest saved readings (100 → 01). The MODE button will display the oldest saved readings (01 → 100). To exit the Saved (DATA) mode, press and hold the ▲ button for approx. 2 seconds.

Changing the battery

The Apresys eXpert Laser Rangefinder uses 3V CR2 (x1) battery.

1. Open the battery compartment cover.
2. Replace the old 3V CR2 Lithium battery with a new one (ensure that the negative terminal of the battery is inserted first).
3. Close the battery compartment cover.

Measurement

1. Install a battery in the battery compartment (See “Changing the battery”)
2. Turn on the power by briefly pressing the ▲ button (confirm that the display is on by looking through the eyepiece).
3. Adjust the diopter to obtain a clear display through the eyepiece.

4. Confirm that each mode and setting is correct (refer to the relevant sections of this manual).
5. Position the target in the center of the aiming reticule.
   5.1. For Single measurement mode, press and release the ▲ button. The result will display momentarily and stored in memory.
   5.2. For Scan / Continuous measurement mode, press and hold the ▲ button while slowly moving the rangefinder from one target to next. The results will refresh as each new data is obtained, but will not be stored in memory.

Technical specifications

Model	X550	X660	X800	X1000	X1200
Magnification	6X				
Effective Objective Lens Diameter, mm	24				
Exit Pupil Diameter, mm	4				
Angular Field of View (Objective)	7°				
Angular Field of View (Apparent) ISO 14132-1:2002	40.3°				
Field of View @1000 yards/meters	368 ft / 123m				
Display	LCD				
Measurement Range, minimum, yards	5				
Measurement Range, reflective, yards	550	660	800	1000	1200
Measuring Mode	Regular, Hunting (max distance), Golf (min distance), Scan				
Data Display	Line-of-Sight Distance plus selectable: Horizontal Distance, Vertical Distance, Slope Degree				
Maximum Angle Reading	±70°				
Angle Accuracy	≥0.1%				
Meter/Yard Selector	Yes				
Laser	Class 1 Eye Safe				
Memory Function	100 Readings				
Power Supply	3V CR2				
Environmental Rating	Ip64				
Dimensions	104mm x 72mm x 41mm				
	4” x 2.8” x 1.6”				
Weight	190 g				
	6.7 oz				
Warranty	2 YEARS				

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