# ELLTECH

## URS | ULTRA RANGE SERIES
## 1200M LASER RANGEFINDER
## MANUAL

# CONTENTS

# OVERVIEW

# BATTERY INSTALLATION

1. Flip up the battery lid catch.

2. Turn the lid counterclockwise to open it.

3. Insert 1pcs CR2 type 3V battery, negative inward.

4. Replace battery lid and turn the lid clockwise to tighten it.

| | Function Description |
|---|---|
| Objective lens | 21mm |
| Magnification | 6X |
| Field of View | 7.2° |
| Eye Relief | 16mm |
| Laser | 905nm |
| Eyesafe | Class 1 |
| Resolution | +/-1m |
| Battery | CR2 * 3V |
| Range Distance | 5-1200m |
| Water Resistant | Yes |
| Weight | 5.78 oz<br>164g |
| Size | 3.98" *1.57" *3.03"<br>101*40*77mm |
| Warranty | 3 years |

To make a sharp image, view through the Rangefinder eyepiece and rotate the focus dial counterclockwise/clockwise slowly until the target is as clear as the character on the display screen.

## POWER ON
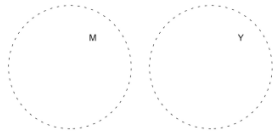
Press the Power button to start up the device.

## LOW BATTERY INDICATOR

When battery voltage is lower than working voltage, low battery icon will appear to remind battery replacement.

# METRE OR YARD SETTING

1. Press Power button to switch on unit.

2. Press and hold Mode button for > 2 seconds and then display will show either metres or yards flashing.

3. Use power button to toggle between metres and yards.

4. Press Mode button again to select desired unit of measurement and display will revert to measurement mode with the preferred choice.

# FOG ON/OFF

1. Press Power button to switch on unit.

2. Press and hold Mode button for >2seconds and press again to toggle through metres/yards to fog on/off.

3. On fog setting use power button to toggle between fog flashing and fog static- Flashing = ON  Static = OFF

4. Press Mode button again and display will revert to measurement mode with selected application.

# RANGING MODE SELECTION

Press the Mode button to cycle between:

Mode 1: Standard Line of Sight Ranging & Scan
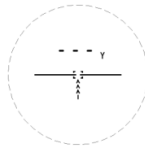Mode 2: Horizontal Distance (HD)
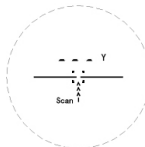Mode 3: Vertical Height (VH)
Mode 4: Speed

**Note:** When the Fog setting is on, " Fog" is displayed on the screen and all modes will be used in the fog setting.

## MODE 1: STANDARD LINE OF SIGHT RANGING MODE

Rangefinder default is Standard line of sight which measures the distance from Rangefinder to target.

1. Aim centre of reticle at target and press Power button and release-scan icon will be displayed momentarily and distance will be shown in display.

2. Scan Mode is enabled if power button is depressed and held down and then Rangefinder will display continuous readings of distance as the Rangefinder is panned across various targets.
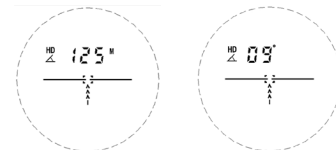
## MODE 2: HORIZONTAL DISTANCE MODE

This mode is designed to give accurate distance measurements that are compensated for angles uphill or downhill.

It is especially useful when the targets to be measured are at very steep angles which can affect the accuracy of trajectory calculations with regard to Archery or Long Range
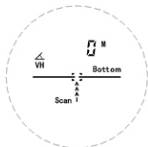
1. Select HD Distance mode by pressing Mode button and toggle through options

2. Press Power button-scan icon will display momentarily in centre of reticle and display will show alternately distance and angle to target.
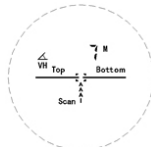
## MODE 3: VERTICAL HEIGHT MODE

Align reticle with lowest point of target to be measured and press power button once.
Scan icon will display momentarily in centre of reticle and display will change to 0 metres/yards and Bottom indicating successful measurement of lowest point of target.

Then align reticle with highest point of target to be measured and press power button again-scan icon will appear momentarily and display will change to the indicated height in metres/yards and will also display Top-Bottom indicating a successful measurement.
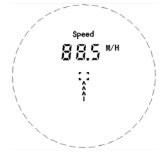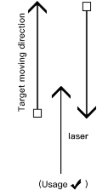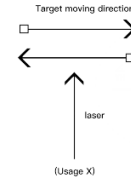
Stage 1

Stage 2

## MODE 4: SPEED

Please note target moving direction has to be parallel with laser direction(the target has either to be moving directly away or towards the laser pulse).

This function will not allow measurement of speed of targets if moving left to right of laser pulse ie. panning.

## TROUBLESHOOTING

If unit doesn't turn on/LCD doesn't illuminate:

1. Make sure battery is inserted correctly and press power button.

2. Check and replace battery if necessary.

3. Make sure the unit is held steady whilst pressing the Power button.

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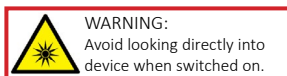
## WARNINGS

**Do not** stare into the laser beam.

Eyes can be permanently damaged by looking directly at the sun with this device.

**Do not** aim the device directly at the sun as this can cause permanent damage to components inside the device.

Keep the eyepiece away from direct sunlight.

**Do not** use the device in extreme temperatures.

WARNING:
Avoid looking directly into device when switched on.

## To Find Out More or to Contact Us Head to:
## WWW.ELLTECH.UK

**ELLTECH**
**1200 LASER RANGE FINDER** CE
**1XCR2(3.0VDC)**
**(CLASS 1 LASER PRODUCT)**
**MADE IN CHINA**

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