

# LASER DISTANCE METER HT60

## Operation Manual



**AAA x2**  
Batteries

## . Safety Information

1. This is a Class 2 laser tool, laser radiation is emitted from this product and is manufactured to comply IEC 60825-1: 2007, EN 60825-1:2007, EN 61326-1:2013 and CRF21, parts 1040.10 and 1040.11.
2. Use of controls, adjustment procedures other than those specified herein may result in laser radiation exposure.
3. Never stare directly into beam or aim the laser beams at others.
4. Product contains semiconductor laser diodes with wavelengths of 650 nanometers.
5. The total continuous output of the beams never exceeds 1.0 milli-watts.
6. Product complies with EMC Test according to EN61000-6-3:2001+A11:2004, EN61000-6-1:2001, EN61326-1:2013, IEC 61326:2012 and FCC Test according to PART 15.
7. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

8. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.



FCC ID: YWSLB11310CA01

IC ID: 20299-LB11310CA01

HVIN:1.1



## . Inside The Box

- HT60 Laser Distance Meter x1
- AAA Battery x2
- Operation Manual x1
- Carrying Case x1
- Safety Strap x1

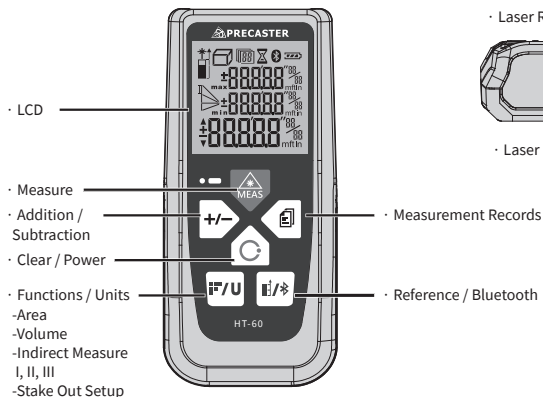
## . Specification

- Measuring Range 0.05m- 60m
- Resolution 0.001m
- Accuracy  $\pm 1.5$ mm
- Measuring Speed 0.5sec
- Laser Type 650nm, Class II, <1mW
- Beam Size 25mm@15m
- Battery AAA Battery x2, Up to 10,000 measures
- Dimension 105x48x21mm
- Operation Temperature  $-5^{\circ}\text{C}\sim 40^{\circ}\text{C}$
- Storage Temperature  $-20^{\circ}\text{C}\sim 60^{\circ}\text{C}$
- Automatic Power-Off -Laser 30 Seconds -Device 180 Seconds

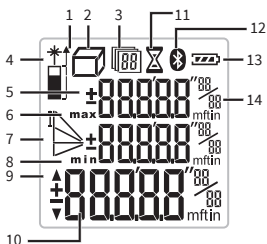
## . Error Code

| Code  | Description  | Solution   |
|-------|--|--|
| Err01 | Out of measuring range   | Measuring in a proper range                                    |
| Err02 | Reflected signal is too weak   | Select a better surface  |
| Err03 | Out of display range (Max Value: 99999), e.g: result of area or dimension is out of display range. | Divide calculation into intermediate steps                     |
| Err04 | Pythagorean calculation error  | Check and verify values and steps are correct                  |
| Err05 | Low Battery  | Install a new battery  |
| Err06 | Out of working temperature   | Measure in an environment within specified working temperature |
| Err07 | Ambient light is too strong  | Measure in a darker place (shadow target)                      |

## . Overview for HT60





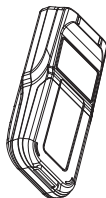
## . Overview for Screen




- |                        |                               |
|------------------------|-------------------------------|
| 1. Measuring Reference | 8. Minimum Display            |
| 2. Measuring Function  | 9. Stakes Direction Indicator |
| 3. Memories            | 10. Main Screen and Units     |
| 4. Laser Indicator     | 11. Countdown Measuring       |
| 5. Add and Subtract    | 12. Bluetooth Indicator       |
| 6. Maximum Display     | 13. Battery Status            |
| 7. Indirect Measuring  | 14. Sub-Screen and Units      |




## . Battery Installation & Power Status

1. This unit is powered by 2 x AAA Batteries.
2. Remove battery lid and observing correct polarity before install batteries.
3. Battery level is showed on screen with batty icon on screen .
4. When the icon  appears, there are approximately 1000 times to measure.





5. Replace batteries when low battery icon  flash on screen.
6. To change new batteries, when install new batteries, then close back lid.

## . Switch On and Off

1. Be sure to check battery status before start.
2. Click the  or  to turn on the device.
3. Device will process the initial procedure and get ready to measure by turn on the laser dot.
4. Tap and hold  for 2 seconds to turn off.
5. The device will turn off automatically after 180 seconds.




## . Distance Measurement

### Single Measurement Mode


1. Move the laser dot onto the target.
2. Keep your position stable and click .
3. The measurement will be displayed on LCD Screen and laser will be turn off.
4. Click  again to enable the laser dot for next measurement.



### Continuous Measurement Mode





1. Continuous Measurement is also called tracking measurement and is recommend to use for seeking proper distance.
2. Move the laser dot onto the target.
3. Keep your position stable and tap and hold , the laser distance meter will enter continuous measurement mode.
4. Move the device back and forward to proper distance.
5. Click  to pause the measurement.
6. Click  again to leave the continuously measurement mode.

## . Measurement Reference


1. There are two reference positions for measurement .  
They are back of the unit, front of the unit, tripod thread and the spike
2. Click  to select the proper position.



## . Measurement Addition & Subtraction

1. To make summary or difference between two measurements is easy
2. Finish your first measure, then click  to save as addend or hold  to save as Minuend.
3. Take the second measurement, then click  to add from addend or hold  to subtract minuend.

## . Unit Setting


1. There are 8 units inside the laser distance meter.
2. Click and hold  to select preferred unit.
3. Unit Switch Reference



|               | meter          | feet            | inch            | 0'0"1/32        | inch            | inch            | inch            | 尺              |
|---------------|----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|----------------|
| <b>Length</b> | m              | ft              | in              | 0'0"1/32        | 1/32in          | 1/16in          | 1/8in           | 10/33          |
| <b>Area</b>   | m <sup>2</sup> | ft <sup>2</sup> | ft <sup>2</sup> | ft <sup>2</sup> | ft <sup>2</sup> | ft <sup>2</sup> | ft <sup>2</sup> | P              |
| <b>Volume</b> | m <sup>3</sup> | ft <sup>3</sup> | ft <sup>3</sup> | ft <sup>3</sup> | ft <sup>3</sup> | ft <sup>3</sup> | ft <sup>3</sup> | m <sup>3</sup> |


## . Measuring Functions

### Area Measurement

1. Click  to enable Area measurement.
2. Laser will be activated when entering area measurement mode.
3. Follow the instructions on main screen to measure WIDTH and LENGTH.
4. After finish all the instructions, the result [AREA] will be showed on screen.



### 2. Volume Measurement

1. Click  twice to enable Volume measurement.
2. Laser will be activated when entering volume measurement mode.
3. Follow the instructions on main screen to measure WIDTH, LENGTH and HEIGHT.
4. After finish all the instructions, the result [VOLUME] will be showed on screen.



## 3. Indirectly Height I, II & III Measurement (base on Pythagorean)

1. Click **F/U** thrice, four and five times to enable Indirectly Measurement.
2. Laser will be activated when entering indirectly measurement mode.
3. Follow the instructions on main screen to measure the LENGTH OF HYPOTENUSE(S) and BASE.
4. After finish all the instructions, the result [HEIGHT] will be showed on screen.



## . Store Measurement to Memory and Lookup

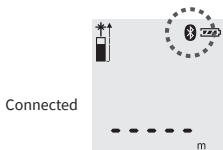
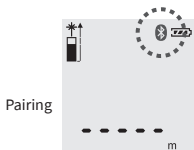
1. When you want to add the measurements on the screen, press to add to memory. You could find the location in memory on the top of screen.
2. To lookup stored measurements, press and hold to enter the lookup mode.
3. Press to move the index up and hold to move index down.
4. To clear all stored measurements, press and hold again in lookup mode to clear all memory.



## . iM<sup>2</sup> app & Bluetooth Setup

For the model supported Bluetooth could connected with phones support BLE4.0,  
For Bluetooth version on your phone, please contact with your phone manufacturer.  
We currently offer Measurement Kit on iTunes and Play Store.

1. To turn on Bluetooth in pairing mode, press and hold .
2. The Bluetooth icon will keep flashing during paring.
3. Select proper device in the Connection Manager of APP
4. After connected with a beep sound the icon will stop flashing.



## **. FCC Statement**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

## **. Service Support**

Please contact your local dealer or contact us through service email :

[ [reps@precaster.com.tw](mailto:reps@precaster.com.tw) ] for further assistance.