

Laser Distance Meter User Manual

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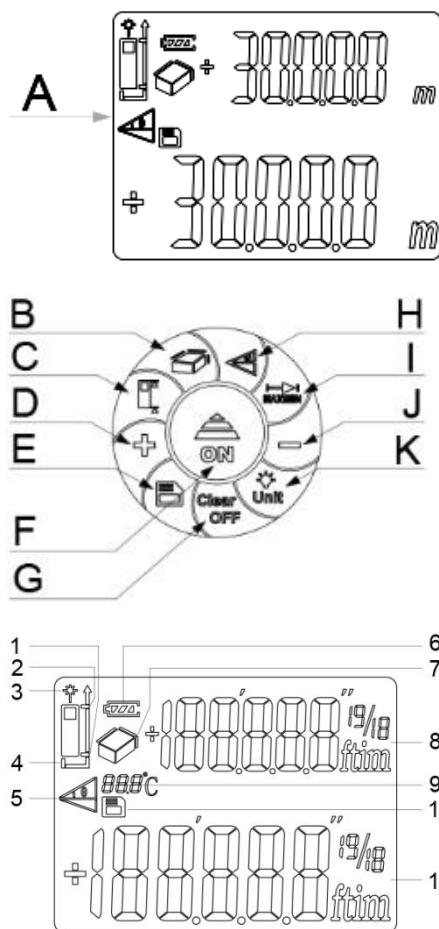
Back-Light switch & Laser pointer switch

Change of battery



- ▷ LASER DISTANCE FINDER is powered by 2×AA Batteries,
- ▷ Battery status will be showed in initial screen., 
- ▷ In case if battery icon display continuously , It shows battery is about 1,000 measure times left. 
- ▷ Low power indicator will be twinkling when battery is low. 
- ▷ To change new batteries, re back lid and observing correct Polarity when install new batteries, then close back lid.

Overview for LASER DISTANCE FINDER

- A. LCD
- B. Area/volume buttons
- C. Reference Switch/laser pointer
- D. Addition buttons buttons
- E. Storage buttons
- F. On/measuring buttons
- H. Indirect measuring button
- G. Clear/off buttons
- I. Continuous measuring buttons
- J. Subtraction
- K. Lighting/unit conversion button



Overview for Screen

- 1. Measuring Reference(along)
- 2. Measuring Reference(top frontier)
- 3. Laser Indicator
- 4. Measuring Reference(Stretch frontier)
- 5. Indirect Measuring
 -  Single Pythagoras
 -  Summary of tow Pythagoras
- 6. Battery Status
- 7. Area Measuring/Volume Measuring
- 8. The second display the line
- 9. Historical records, can view the data
- 10. Historical records symbol
- 11. The first display the line


Specification All Accessories

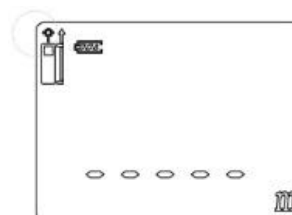
Measure Rang*	0.02-30M / 0.02- 60M / 0.02- 80M	Dimension	121mm×51mm×27mm
Resolution	0.001m	Operation Temperature	-0℃~40℃
Accuracy*	±1.5mm	Storage Temperature	-10℃~50℃
Measure Speed*	0.5sec.	Automatic switch-off	
Laser Type	635-650nm,Class2,<1mW	-laser	30 seconds
Battery	2×AAA Batteries	-Device	180 seconds
Battery Life	Up to 5,000 Measures		

Deviation

Under unfavorable conditions such as bright sunlight, surface very poorly reflecting objective or temperature fluctuations severe, a maximum deviation of ± 1.5 can occur mm. This deviation may increase to ± 0.025 mm / m for distances between 10 m and 30 m, and ± 0.1 mm / m for distances above 30m.

Turn on your Laser Distance Finder

- ▷ Before starting, please make sure battery is installed properly.
- ▷ Press  measuring to activate Laser Distance Finder.
- ▷ Initial screen will flash seconds for checking status.
- ▷ After checking, standby screen will be displayed

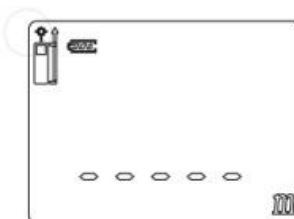


Measuring Distance

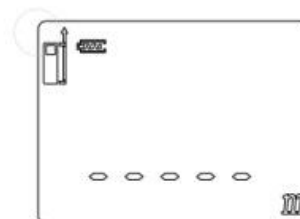
CAUTION!

Laser will be emitted upon when you turn LASER DISTANCE FINDER on.



Check icon on the upper-left corner to check if laser is emitted.

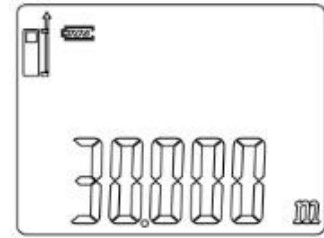


Laser Activated





Laser Deactivated

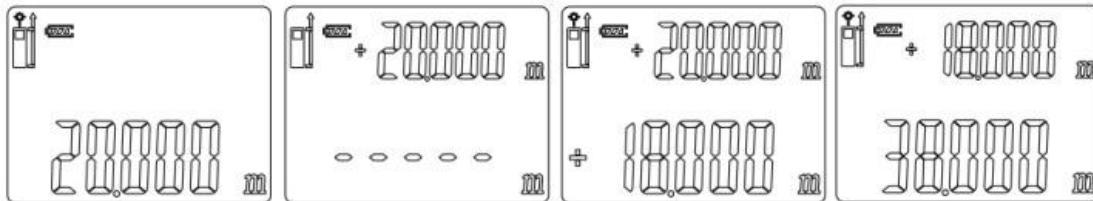
- ▷ If the laser is not activated, press  to enable laser.
- ▷ Then, move the laser dot of LASER DISTANCE FINDER onto your target and try to keep the dot on the target.
- ▷ Press  to activate measure.
- ▷ The whole measure will be finished until a beep is heard or measured result is appeared on the main screen.
- ▷ Laser will be turned off after measuring.





Finished Measuring

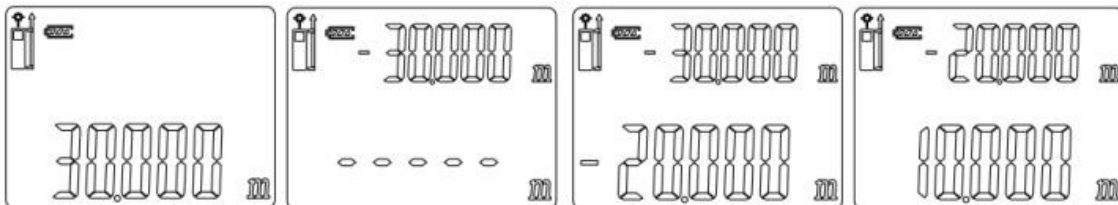
Add your measures Finished Measuring

- ▷ Calculating the summary of measures are simple only with few buttons.
- ▷ Once you got your first measure, press  to save into memory (temporary saved)
- ▷ Then find your next desired distance, once you find it, press  again
- ▷ The summary will be displayed in main screen and you could see what you had added.






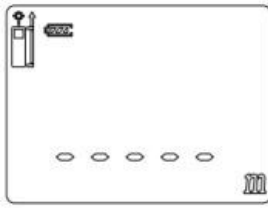
Subtract your measure

- ▷ Calculating the different of measures are simple only with few buttons.
- ▷ Once you got your first measure, press  to save into memory (temporary saved)
- ▷ Then find your desired distance, once you find it, press  again.
- ▷ The result will be displayed in main screen and you could see what you had subtract.

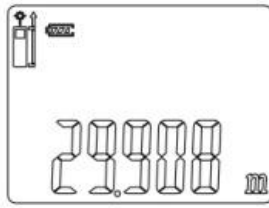


Dyna-Measuring (Continuous Measuring)

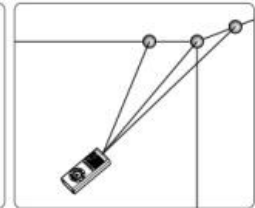
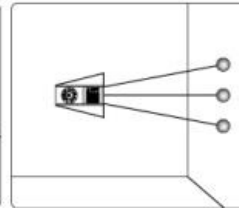
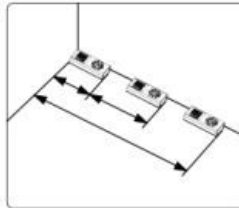
- ▷ To activate Dyna Measuring (Continuous Measuring), hold  then it will jump to Dyna Measuring mode.
- ▷ When entering Dyna Measuring mode, laser beam will be also activated
- ▷ To pause, please press  or 
- ▷ The first line shows the actual measured value, the target to be measured while moving the current data will be updated.




Standby Screen

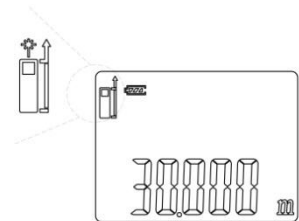


Dyna-Measuring Screen




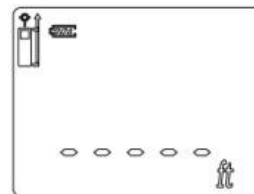
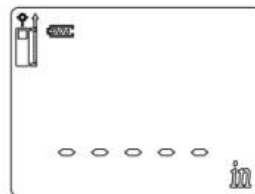
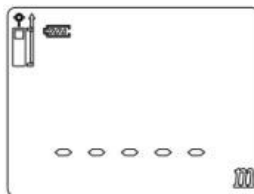
Measuring reference

- ▷ By default, reference is set at rear.
 - ▷ LASER DISTANCE FINDER has three reference: rear, front and pintail.
 - ▷ To change reference, press  , each press will take effect.
- Changing sequence is front→rear→pintail.




Unit Switch Reference

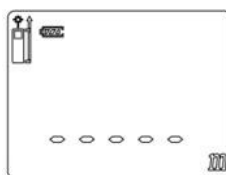
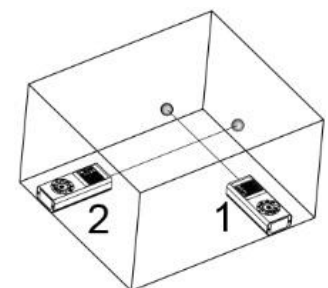
- ▷ To change until of measuring, hold  Unit will be switched by each hold.
- ▷ Click the button longer change the next type of unit, m, ft. in, ft+/in then to continue click the button for the next unit selection.



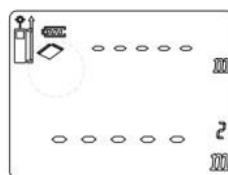
Measuring Function

a.Area Measurement

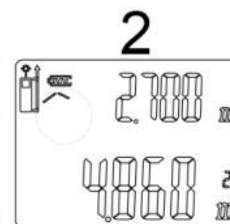
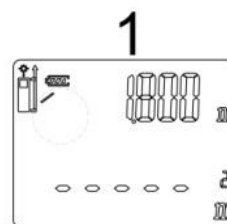
- ▷ Please press  once for enabling Area measuring.
- ▷ Laser will be activated when entering Area measuring .
- ▷ Follow the instructions on main screen to measure width, length and height.
- ▷ Once you finish all instructions, volume is showed on screen.
- ▷ To change display unit, hold





Standby Screen

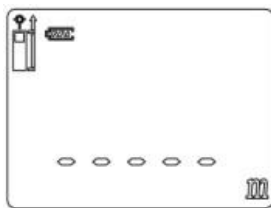
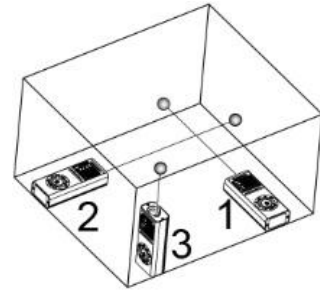


Area Measuring Screen

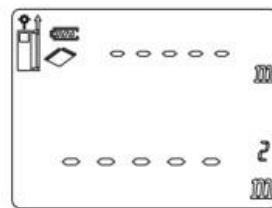


b. Volume Measurement

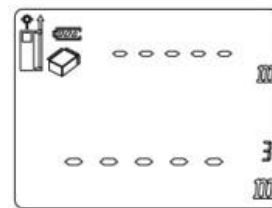
- ▷ Press  twice to enter volume measuring.
- ▷ Laser will be activated when entering Volume measuring.
- ▷ Follow the instructions on main screen to measure width, length and height.
- ▷ Once you finish all instructions, volume is showed on screen.
- ▷ To change display unit, hold .



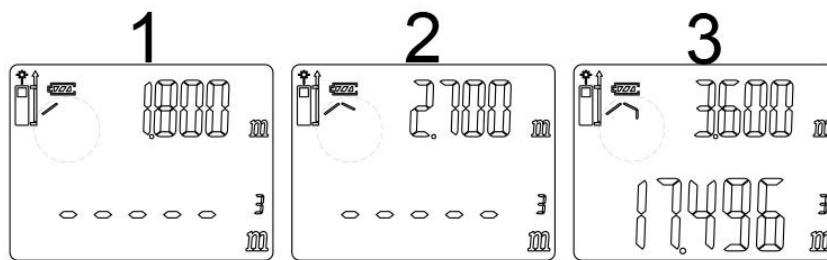
Standby Screen




Area Measuring Screen



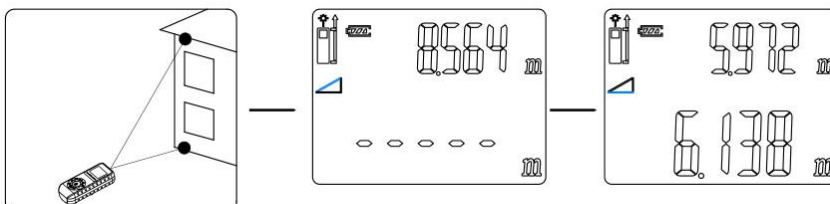
Volume Measuring Screen



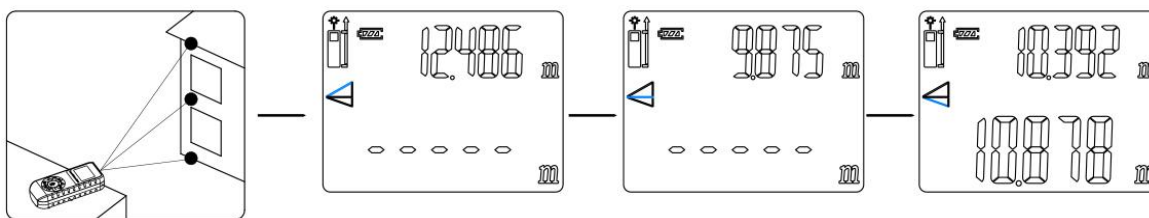
Indirect Measurement

- ▷ press  to enter Indirect measuring.
- ▷ All the calculation is based on Pythagorean theorem ($a^2 + b^2 = c^2$) to measure height indirectly.
- ▷ Laser will be activated when entering Indirect measuring. Follow the instructions on screen to get slant range, horizon range then the height will be displayed on screen.
- ▷ For Pythagorean II (summary of two height) and III (different of two height) are advanced calculating based on Pythagorean

I First press for single Pythagoras



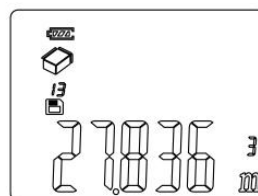
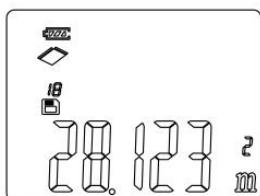
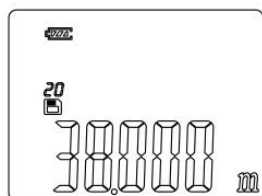
Second press for Double Pythagoras (Summary)



Memory Recall

▷ Laser Distance Finder provide a well design memory recall functions , you could recall memory by hold

▷ The last 20 measures will be displayed on screen, To look up records press to move up, for move down



Back-Light switch & Laser pointer switch

▷ To Enable and Disable back-light for LASER DISTANCE FINDER, press

Error Code

Code	Description	Solution
204	Calculation error	Refer to user menu, repeat the procedures
208	Temperature too high	Cool down instrument, make it working in stable temperature environment
253	Temperature too low	Warm up instrument
255	Receiver signal too weak, measurement time too long.	Use target plate or change a good refrection
256	Received signal too strong	Target too reflective, use target plate or do not aim at strong light objective
Error	Hardware error and uncertainty error	Switch on/off the device several times. If the symbol still appears, then your instrument is defective. Please call your dealer for assistance.