Leica DISTO D2, D210XT, D330, D330i Training
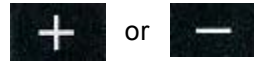

D2   D210XT   D330   D330i

Leica DISTO Buttons Explained…

- Press and release to activate laser
- Press and release to take measurement
- Press until beeping starts to enter continuous measurement mode

+ or −
- Add or subtract single values or measurements
- Add or subtract area or volume measurements on multiple spaces.
- Toggle options in menu
- Cycles through values in memory storage

FUNC (D2 only)
- Press to toggle through area, volume, Pythagoras modes.

(D210XT, D330, D330i)
- Press 1X or 2X to cycle through area or volume mode
- Press and hold after area or volume calculation for additional information about the measured space (perimeter, wall area, ceiling/floor area).

or (D210XT — D330, D330i)
- Press 1X, 2X or 3X to cycle through Pythagoras modes.
- D3330, D330i- Additionally cycles through triangle, room angle, or stake out mode

MENU (D330, D330i)
- Press to total up multiple values or differences in values after using "+" or "-" keys
- Press and hold to enter MENU for Units or options

- Change the "zero" point of measurement from front to back
- Press and hold to keep unit on front measurement

UNITS
- Toggle through available units or enter memory

TIMER (D2, D330, D330i)
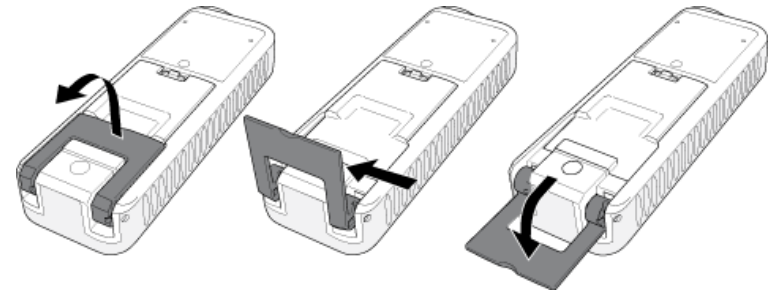- Press to enter delayed measurement mode, default is 5 seconds, hold down for longer time

- Shortcut button to horizontal distance mode on D330 & D330i

2nd / BlueTooth
- BlueTooth™ Buttons/functions on D330i. Not covered in this manual.

Leica DISTO™ All Units
Multifunctional End piece

- Automatic detection of the multifunctional end-piece on all units except D2. The DISTO will recognize when end-piece is open and automatically make the measurement adjustment. On the D2 you need to press the [icon] to toggle for the reference point

- Stable and reliable end-piece – enables stable measurements out of edges and corners
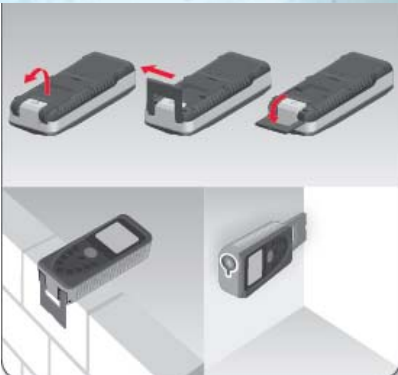
Measuring Distances with your DISTO

The ON/DIST button has two functions, single measurement and continuous measurements

Single Measurement

- Press ON/DIST to turn on DISTO
- Place base of DISTO against start point
- Aim Laser at end point
- Press and release ON/DIST for single measurement
- Result is the distance from BASE of DISTO to laser point on object

Measurement and power button location on all units.

Continuous Measurement

- Press ON/DIST to turn on DISTO
- Press and hold ON/DIST for approximately 2 seconds until DISTO sounds a pulsating beep then release
- DISTO continuously updates display with the current distance and the Min/Max distance is recorded in the display.
- Press and release ON/DIST to hold last reading and exit this mode
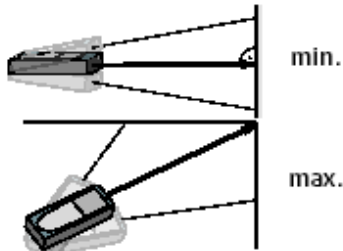
D210XT, D330, Typical Display in Min/Max mode

Measuring Area or Volume with your DISTO

The button has two functions, area (L X W) and volume (L X W X H). This is the FUNC button on the D2

Measuring Area and Volume
- With DISTO turned on and laser active, press the 1 time to enter "Area" mode or 2 times to enter "Volume" mode. Visually confirm mode by viewing the square (area) or box (volume) in top left corner of DISTO display.
- Place DISTO against one wall and measure to the opposite wall for length. Immediately follow with width for area units, or, width and height for volume units. *Always measure height last in the volume mode*.
- DISTO will calculate the total area/volume units and display the result.
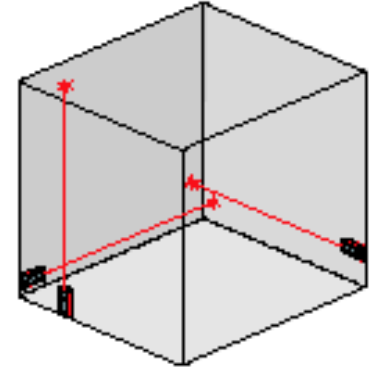
Note: Press the CLEAR button if you make a mistake to clear the last measurement taken and then proceed again.

SPECIAL FEATURE DISTO Model D210XT, D330, D330i. Upon completion of an area or volume measurement you will see a little triangle in the bottom left corner of the display. This is your indication that there is a secondary page of calculations based on your measurements. Press and hold the button until the DISTO beeps and recalculates the results to display the following: (This is why it is important to take the height measurment last!)

- ✓ Perimeter: ideal for baseboards, chair rail, crown molding
- ✓ Wall area: perfect for plastering and painting, wall paper, drywall area
- ✓ Area: ideal e.g. for flooring, drop ceilings
- ✓ Volume: important e.g. for air-conditioning/heating, air exchange calculations
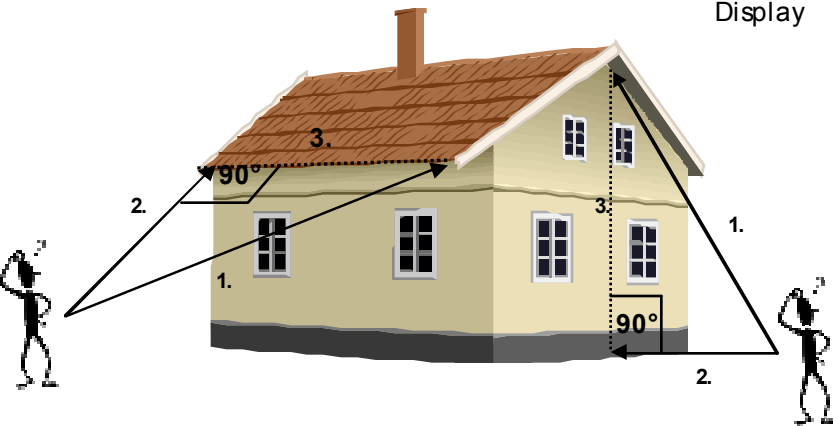
Room Function Display

Using Pythagoras

Calculate distances from the ground or safe locations. You will need to navigate to the Pythagoras mode in your particular DISTO

Two Point Pythagoras
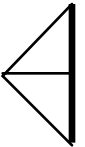
Vertical or Horizontal
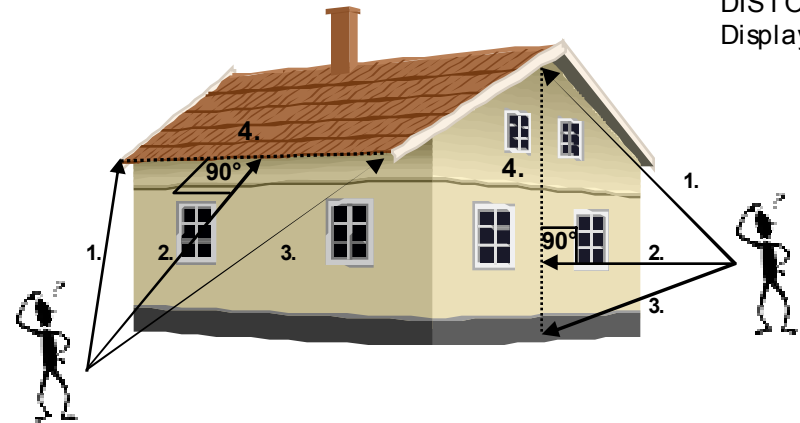
Symbol in DISTO Display

Three Point Pythagoras
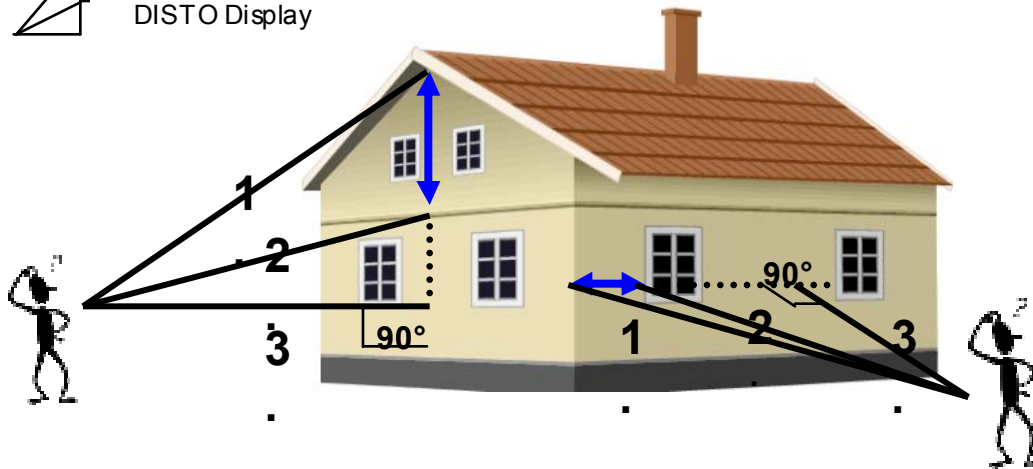
Vertical or Horizontal

Symbol in DISTO Display

## Three Point Partial

Symbol in DISTO Display

Tripod highly recommended for accurate results in all three methods. DISTO D330, D330i has tripod thread for this

Leica DISTO™ D330 & D330i Measuring Angles and Horizontal Distances, Three options…

1. Press this button 1X and D330/D330i will calculate and display angle in real time. You are limited to 45 degrees up/down and +/- 10 degrees tilt. You can also activate the tilt sensor in the menu and degrees will always show in the top right corner of the screen.
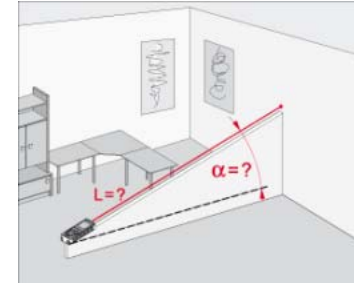
2. If you then aim and take a measurement using the ON/DIST button the D330/D330i will calculate direct horizontal distance
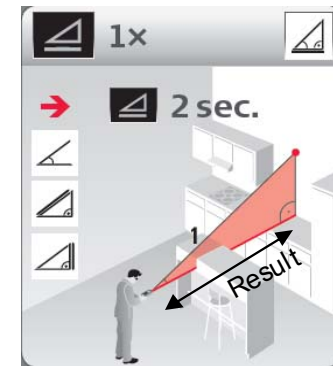

3. Little arrow in bottom left corner of screen indicates there is more information on next screen. Press and hold the angle button to see angle, slope distance, change in elevation from level to measurement point, and horizontal distance

Leica DISTO™ D330/D300i Area of Triangle plus perimeter and angle on second screen

Press this button 2X to enter triangle mode. Measure #1, #2, and finally #3 and D330 will first calculate the area of the triangle. Then hold down same button to calculate perimeter and angle opposite of the hypotenuse .
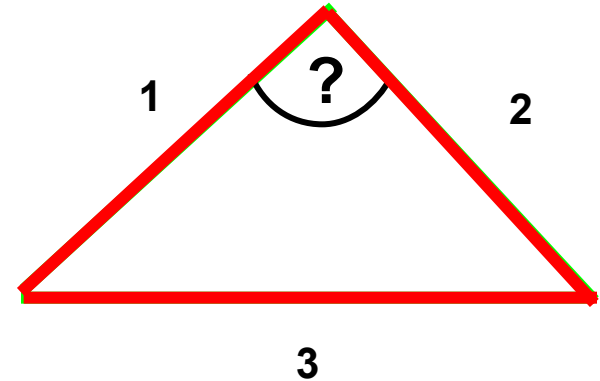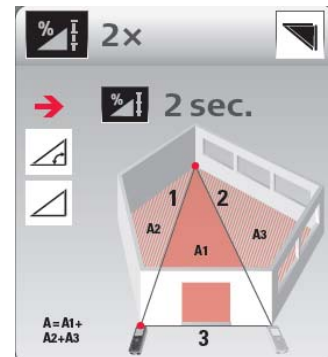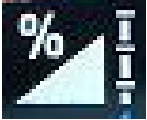

Screen 1, Area

Screen 2, angle, perimeter, area

Note : You can add multiple triangles together to calculate area of odd shaped rooms by pressing the "+" key between each triangle and then "=" when you are done to total the results. See the quick start guide.

Leica DISTO™ D330/D330i Stake Out Distances

- Press this button 3X to enter stake out mode.
- Enter the "a" value using the "+" or "-" keys followed by "=" to confirm
- Enter the "b" value using the same process
- Press ON/DIST and aim laser at start point. Then move away from reference point.
- Unit will show directional arrow for next stake out point, beep when you get close and indicate when you are on the zero point of the "a" and "b" values
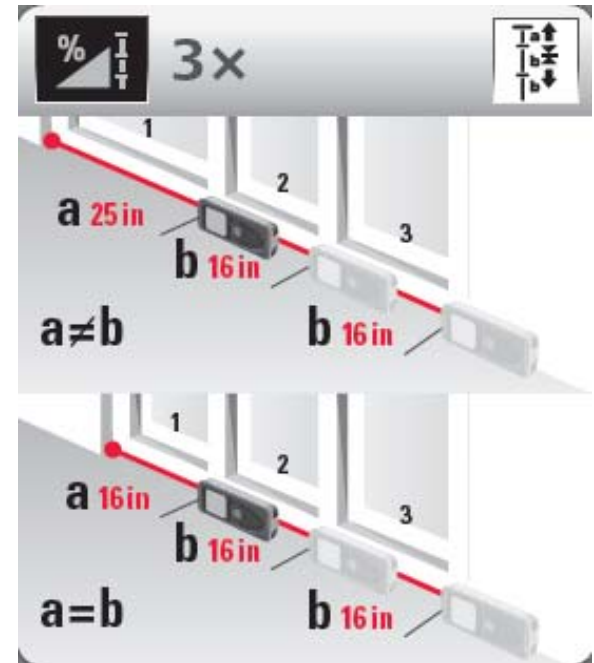
Leica DISTO™ D2, D330/D330i
Timer

**TIMER**   The Timer automatically counts down to "Zero" and then takes the measurement

→ No more shaking when taking measurements!

Leica DISTO™ D2, D210XT, D330, D330i
Storage of a Constant / Historical Storage Memory

Constant: **a value can be saved permanently for multiple use in new calculations. ie- you might save 4" as a concrete slab thickness and use it in a volume calculations versus trying to actually measure 4" every time.   Constant feature ONLY IN D330 and D330i**

- **To save a Constant, take a measurement of your desired constant and then press and hold the memory button to save it. In the concrete slab example, you will need to obtain a 4" measurement. To do this you will need to change to front reference mode on the DISTO in order to get a value this small.**

- **To use the value from the constant in a new volume calculation in the concrete example, you would enter the volume mode, take a width measurement, take a length measurement, then press the memory button 1 time. The constant will show onscreen, then press "=" to bring the 4" constant into the depth measurement and the DISTO will calculate the volume of concrete.**

D330/D330i

Memory position 20 screenshot
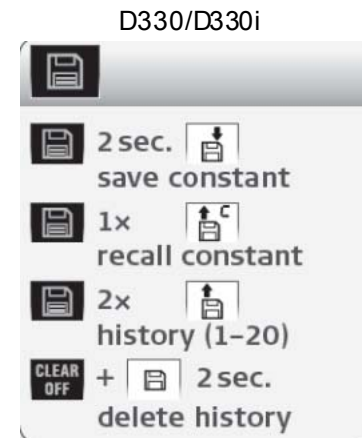
- Memory- Depending on your DISTO model, the last 10-20 screen shots are stored in reverse order.
- To view the memory, press memory key once on the D2/D210XT and twice on the D330/D330i. Navigate through the values with Plus- and Minus-key
- Press "=" to bring the bottom value into a new calculation on the D330/D330i