TruPulse® 200X Quick Reference Field Guide

LTI Part #0144893

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TruPulse® 200X

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LTI YouTube® Channel

www.youtube.com/lasertechpro
for TruPulse® Training Videos

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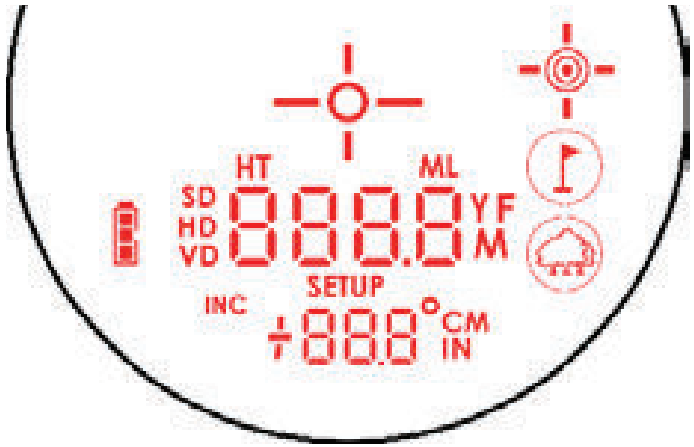
TruPulse® 200X Display Indicators:



Upper and Lower Main Display

Cross hair / Aiming Point

Degrees

Battery Life

Closest

Farthest

Continuous

Filter

F Feet

IN Inches

M Meters

CM Centimeters

Y Yards

PEr Percent

INC Inclination

Gate

SD Slope Distance

HD Horizontal Distance

VD Vertical Distance

ML Missing Line

HT Height

Laser Status

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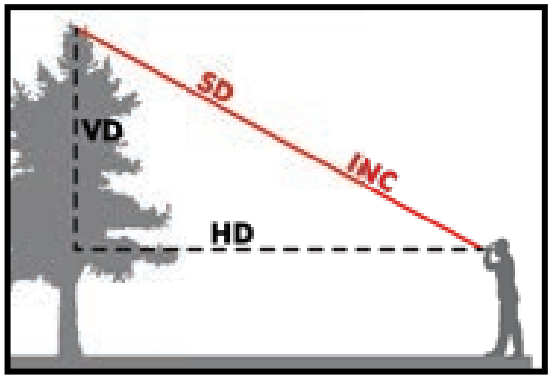
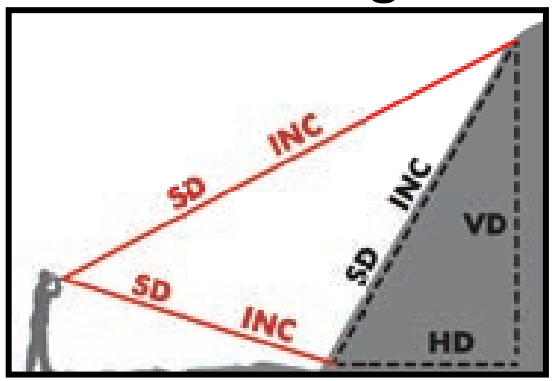
TruPulse® 200X Values & Key Code:

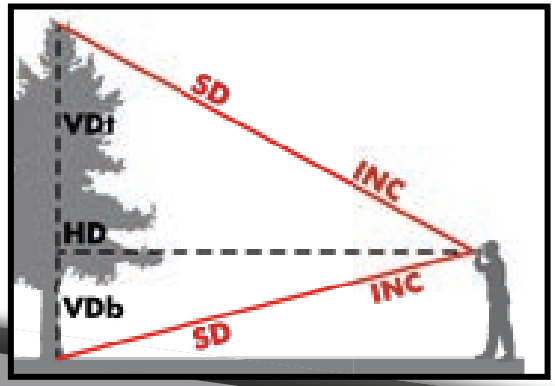
1-Shot Distance:



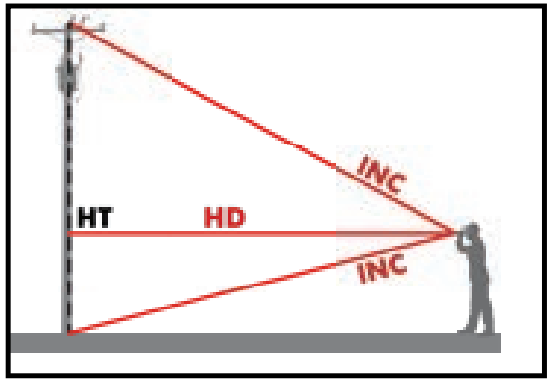
2-Shot Missing Line:



2-Shot Height:



3-Shot Height:



Measured by TruPulse: ●———

Calculated by TruPulse: - - - - - - - - - -

HD = Horizontal Distance

SD = Slope Distance

VD = Vertical Distance

HT = Height

INC = Inclination

ML = Missing Line

= Fire Button

= Mode Button

= Forward Button

= Back Button

(8888) = In-scope Top

(888) = In-scope Bottom

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Change Display Brightness Level:

[1] Press MODE until (br03 SETUP 888). [2] Press ^ until desired brightness level (br05 SETUP 888). [3] Press FIRE (SD - - - - F -- IN) to accept the brightness level.

Change Units of Measurements:

[1] Press MODE until (Un It M SETUP dEg°CM).

[2] Press ^ to scroll through unit options (Un It M SETUP PEr CM), (Un It F SETUP dEg° IN).

[3] Press FIRE to accept the units of measurement (HD - - - - F -- IN).

Helpful Tip: The default units of measurements are meters, centimeters and degrees.

Filter Mode:

[1] Press MODE until (FILT SETUP off). [2] Press ^ to choose (FILT SETUP on) or (FILT SETUP off). [3] Press FIRE to accept selection.

Continuous Mode:

[1] Press MODE until (CON SETUP off). [2] Press ^ to choose (CON SETUP on) or (CON SETUP off).

[3] Press FIRE to accept selection.

Helpful Tip:

When Filter mode is ON, make sure you have the foliage filter attached to the receive lens and that you are shooting to a reflective target.

Targeting Mode:

[1] Press

until

. [2] Press to choose mode:

Standard

; Farthest

; Closest

.

[3] Press

to accept selection.

Helpful Tips:

[1] Targeting mode is not accessible when filter mode is on.

[2] Filter symbol , continuous mode symbol and any other mode symbol will show on right side of the main display

when activated.

Gate Function:

In this mode, the TruPulse 200X will only acquire targets beyond the selected gate value.

[1] Press

until

. [2] Press to choose on

or off

. [3] With Gate ON, press

to change the value.

[4] Press and release to increase value by increments of one

.

Hold down to increment quickly. [5] Press

to set gate.

Helpful Tips:

[1] The minimum gate values are 1 meter, 4 feet and 2 yards. The maximum gate values are 500 meters, 1640 feet and 500 yards.

[2] To increase gate value when gate is already on, press

until

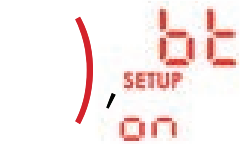
then press

again to change increments.

Turn On or Off Wirless BT:

[1] Press

until

. [2] Press to choose BT on 

, off

or EnC

. [3] Press

to accept selection.

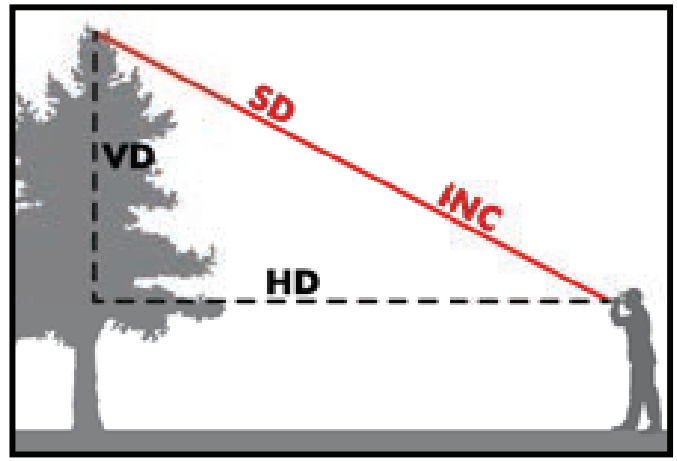
Helpful Tips:

[1] Each time the TP200X is powered ON, it will retain the same settings that were last set/used.

[2] To perform a factory reset, simultaneously press-and-hold the

, , and for approximately 5 seconds. The instrument will power off.

Measure Distance:

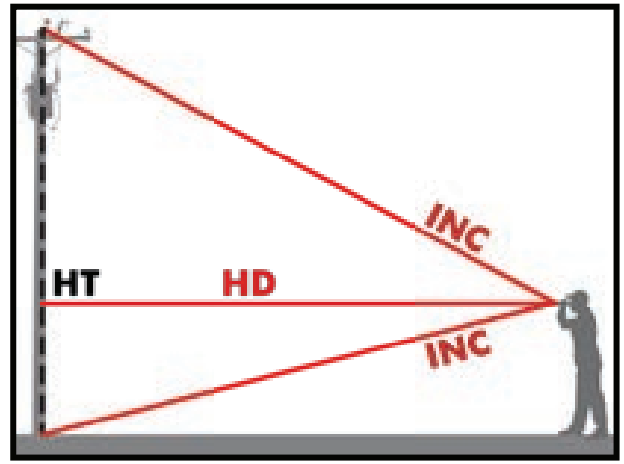


In HD Mode, it will automatically measure SD and INC, then calculate VD and HD. The values will output via serial and/or BT. Measurements are from the center of laser to target.

[1] Press ◠ until (HD - - - - F -- IN) is displayed. [2] Aim at target where you have a clear line of sight then long press FIRE (HD 123 F IN).

[3] Press ◠ to scroll through SD (SD 234 F 6 IN), VD and INC.

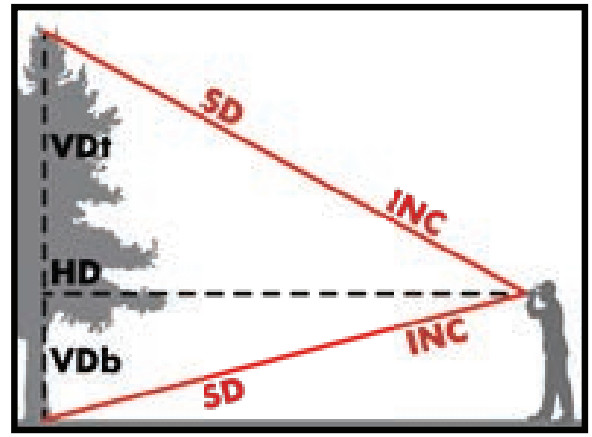
Measure Height in 3 Shots:



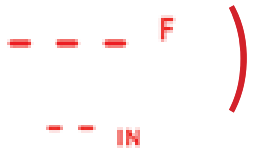
This routine is ideal for flat, vertical objects that do not lean. To shoot through brush, use the Filter Mode, foliage filter and a reflector.

[1] Press until (HT HD Shot F -- IN) is displayed. [2] Aim anywhere you have a clear line of sight and long press (HT HD 123 F) [3] (HT An 1 ---°) Aim to the bottom and long press (INC -56.3°). [4] IN (HT An 2 ---°) Aim to the top, long press (INC 45.6°), (HT HD 40 F -- IN) and height value is displayed.

Measure Height in 2 shots:



The 2-shot HT works well on leaning objects but requires a clear line of sight for both shots.

[1] Press until 

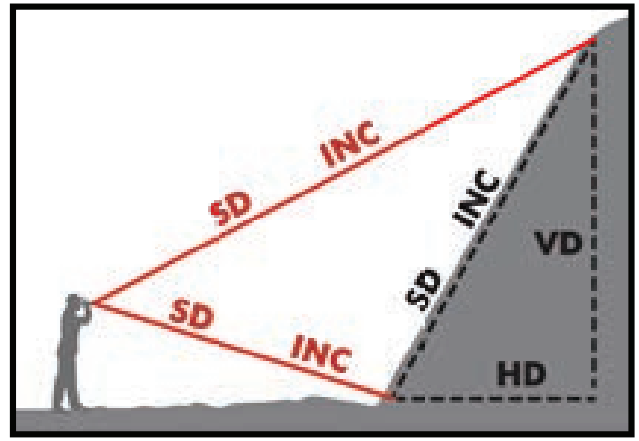
is displayed. [2] Aim at the top of the target and long press

. Note the value. [3] Aim to the bottom of the target and long press

. Note the value.

[4] If both values are positive then Height = VDt + VDb. If VDb is negative then Height = VDt - VDb.

Measure 2-D Missing Line:



Position yourself where shot 1 and 2 are made looking in the same direction with a clear line of site to both targets. The exception is the VD solution, which will always be accurate no matter which direction shot 1 and 2 are taken.

[1] Press ^ until (HD 5h 1 F ML -- IN) is displayed.

[2] Aim at first target and long press FIRE (HD 21 F ML 2 IN). [3] (HD 5h 2 F ML -- IN)

Aim at the second target and long press FIRE (HD 96 F ML 4 IN). [4] The missing line value will appear (HD 74 F ML 5 IN). Press v to scroll through SD, VD and INC.

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