

TruPulse[®] 200X

Quick Reference

Field Guide



LTI Part #0144893

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TruPulse® 200X

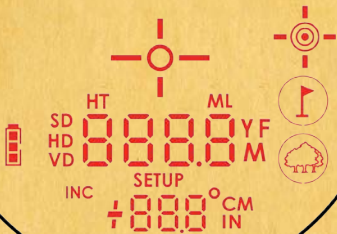


LTI YouTube® Channel:

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

TruPulse® 200X

Display Indicators:



Upper and Lower
Main Display



Cross hair / Aiming Point

 Closest

INC Inclination

 Farthest

 Gate

 Continuous

SD Slope
Distance

 Filter

HD Horizontal
Distance

F Feet

IN Inches

VD Vertical
Distance

M Meters


CM Centimeters

ML Missing Line

Y Yards

HT Height

PER Percent

 Laser Status

 Degrees

 Battery Life

TruPulse® 200X Values & Key Code:

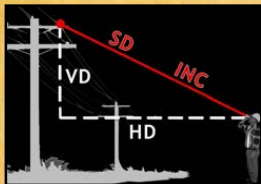
Measured by TruPulse:



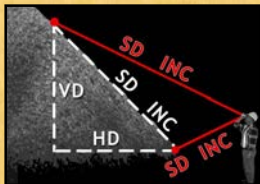
Calculated by TruPulse:



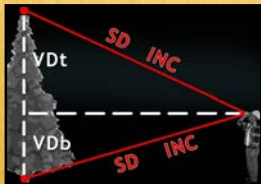
1-Shot Distance:



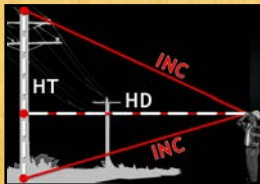
2-Shot Missing Line:



2-Shot Height:



3-Shot Height:



HD = Horizontal Distance

SD = Slope Distance

VD = Vertical Distance

HT = Height

INC = Inclination

ML = Missing Line



= Fire Button



= Mode Button



= Forward Button









= Back Button







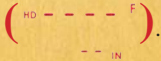
(8888) = In-scope Top

(888) = In-scope Bottom

Change Display Brightness Level:

- [1] Press  until . [2] Press  until desired brightness level . [3] Press  () to accept the brightness level.







Change Units of Measurements:

- [1] Press  until .
- [2] Press  to scroll through unit options , .
- [3] Press  to accept the units of measurement .







Helpful Tip:

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

Filter Mode:

[1] Press  until . [2] Press  to choose 
or . [3] Press  to accept selection.




Continuous Mode:

[1] Press  until . [2] Press  to choose  or .
[3] Press  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 Bluetooth®:

[1] Press  until . [2] Press  to choose Bluetooth on ,
off  or EnC . [3] Press  to accept selection.

Helpful Tips:

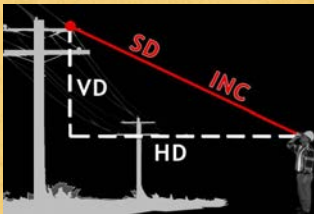
[1] Each time the TP200X is powered ON, it will retain the same settings that were last set/used.


[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 Bluetooth.

Measurements are from the center of laser to target.



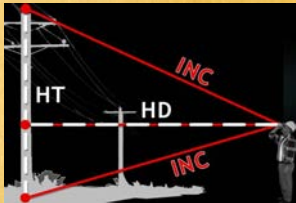
[1] Press  until $\left(\begin{array}{c} \text{HD} \text{ --- } \text{F} \\ \text{--- } \text{IN} \end{array} \right)$ is displayed. [2] Aim at target where you have







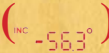


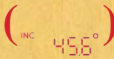
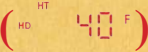
a clear line of sight then long press  $\left(\begin{array}{c} \text{HD} \quad 123 \text{ F} \\ \text{IN} \end{array} \right)$.

[3] Press  to scroll through SD $\left(\begin{array}{c} \text{SD} \quad 234 \text{ F} \\ 6 \text{ IN} \end{array} \right)$, 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  is displayed. [2] Aim anywhere you have a clear line of sight and long press   [3]  Aim to the bottom and long press  . [4]  Aim to the top, long press  ,  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.

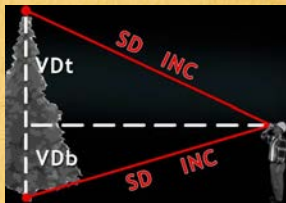
[1] Press  until $\left(\begin{array}{c} \text{VD} \\ \text{--- F} \\ \text{--- IN} \end{array} \right)$ is

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

long press  $\left(\begin{array}{c} \text{VD} \\ 24 \text{ F} \\ 1 \text{ IN} \end{array} \right)$. Note the value. [3] Aim to the bottom of the

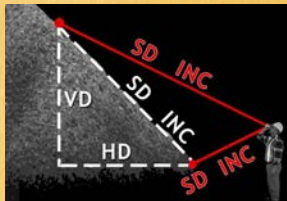
target and long press  $\left(\begin{array}{c} \text{VD} \\ -5 \text{ F} \\ 2 \text{ IN} \end{array} \right)$. Note the value. [4] If both values are


positive then Height = $\text{VDt} + \text{VDb}$. If VDb is negative then Height = $\text{VDt} - \text{VDb}$.



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 $\left(\begin{array}{c} \text{ML} \\ \text{HD } 54 \text{ F} \\ \text{---} \\ \text{IN} \end{array} \right)$ is displayed.

[2] Aim at first target and long press  $\left(\begin{array}{c} \text{ML} \\ \text{HD } 21 \text{ F} \\ \text{2} \\ \text{IN} \end{array} \right)$. [3] $\left(\begin{array}{c} \text{ML} \\ \text{HD } 54 \text{ F} \\ \text{---} \\ \text{IN} \end{array} \right)$

Aim at the second target and long press  $\left(\begin{array}{c} \text{ML} \\ \text{HD } 96 \text{ F} \\ \text{4} \\ \text{IN} \end{array} \right)$. [4] The missing

line value will appear $\left(\begin{array}{c} \text{ML} \\ \text{HD } 74 \text{ F} \\ \text{5} \\ \text{IN} \end{array} \right)$. Press  to scroll through SD, VD and INC.



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