

TRUPULSE® 200X QUICK REFERENCE FIELD GUIDE

LTI Part #0144893

TruPulse® 200X



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LTI Hours of Operation

Monday through Friday

8:00 am to 5:00 pm (MST)

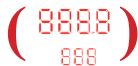
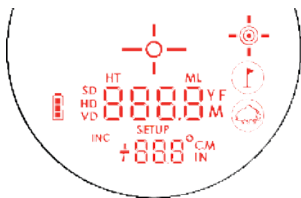
(Excluding Holidays)

LTI YouTube® Channel

www.youtube.com/lasertechpro

for TruPulse® Training Videos

TruPulse® 200X Display Indicators:



Upper and Lower
Main Display



Cross hair / Aiming Point



Degrees



Battery Life



Closest

INC Inclination



Farthest



Gate



Continuous



Slope
Distance



Filter



Horizontal
Distance



Feet



Vertical
Distance



Inches



Meters



Centimeters



Missing Line



Yards



Height



Percent



Laser Status

TruPulse® 200X Values & Key Code:

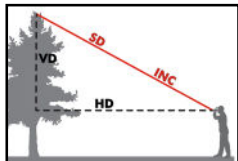
Measured by TruPulse:



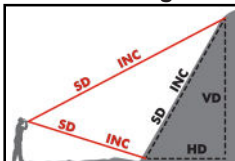
Calculated by TruPulse:



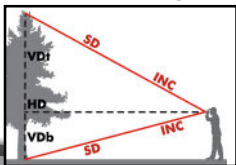
1-Shot Distance:



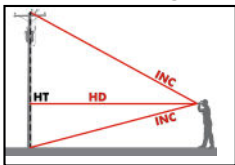
2-Shot Missing Line:



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.

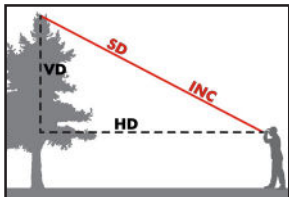
Helpful Tips:


[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.



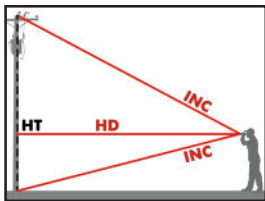
[1] Press  until $\left(\begin{array}{c} \text{HD} \text{ --- } \text{F} \\ \text{--- } \text{IN} \end{array} \right)$ is displayed. [2] Aim at target where you have





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 $\left(\begin{matrix} \text{HT} \\ \text{HD} \end{matrix} \text{Shot } ^{\text{F}} \right)$ is displayed. [2] Aim anywhere you have a clear line of sight and long press  $\left(\begin{matrix} \text{HT} \\ \text{HD} \end{matrix} 123 ^{\text{F}} \right)$ [3] $\left(\begin{matrix} \text{HT} \\ \text{An } 1 \end{matrix} \right)$ Aim to the bottom and long press  $\left(\begin{matrix} \text{INC} \\ \text{HD} \end{matrix} -56.3^{\circ} \right)$. [4] $\left(\begin{matrix} \text{HT} \\ \text{An } 2 \end{matrix} \right)$ Aim to the top, long press  $\left(\begin{matrix} \text{INC} \\ \text{HD} \end{matrix} 45.6^{\circ} \right)$, $\left(\begin{matrix} \text{HT} \\ \text{HD} \end{matrix} 40 ^{\text{F}} \right)$ 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 $\left(\begin{array}{c} \text{VD} \text{ --- } \text{F} \\ \text{--- } \text{IN} \end{array} \right)$ is

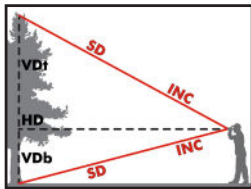
displayed. [2] Aim at the top of the target and

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

target and long press  $\left(\begin{array}{c} \text{VD} \quad -5 \text{ F} \\ \quad \quad \quad \text{2 IN} \end{array} \right)$. Note the value.

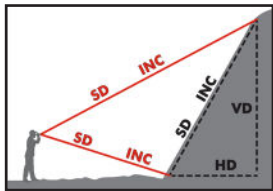
[4] If both values are positive then Height = $\text{VDt} + \text{VDb}$. If VDb is negative then

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 $\left(\begin{array}{c} \text{HD } 54 \\ \text{ML } 1 \\ \text{F} \\ \text{--- IN} \end{array} \right)$ is displayed.


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

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

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

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