

# TruPulse® Quick Reference Field Guides

TruPulse® Models: 200, 200 B, 360, 360 B and 360 R



LTI Part #0144874

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for TruPulse® Training Videos



TruPulse® 200/B, 360/B



TruPulse® 360 R

## Change Units of Measurement:

- [1] Press-and-hold **▼** (u n, t 5), then press **⏻**.
- [2] Press **▼** to scroll through (YARDS METERS FEET) and press **⏻** to choose.
- [3] Press **▼** to scroll through (DEGREES PERCENT) and press **⏻** to choose.

## Turn On or Off Bluetooth® (Models 200B, 360B/R):

- [1] Press-and-hold **▼** (u n, t 5), then press **▼** again (b t).
- [2] Press **⏻**, then press **▼** to scroll through (u n, t 5) (b t o f f).
- [3] Press **⏻** to choose.

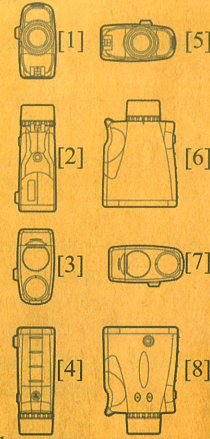
## Change Targeting Mode:

For **Standard Mode**, press-and-hold **▲** (z 5 t d z), then press **⏻**.  
For **Filter Mode**, press-and-hold **▲** (z 5 t d z), press **▲** (z f l t z), then press **⏻**.  
For **Farthest Mode**, press-and-hold **▲** (z 5 t d z), press **▲** twice (z f f r z), then press **⏻**. For **Closest Mode**, press-and-hold **▲** (z 5 t d z), press **▼** twice (z l t o z), then press **⏻**. For **Continuous Mode**, press-and-hold **▲** (z 5 t d z), press **▼** (z l o n z), then press **⏻**.

## Calibrate the Compass (Models 360/B/R):

Always perform outside, away from magnetic interference and face towards Magnetic North.

- [1] Press-and-hold (M, t S), press until (H, R n S)
- [2] Press (d E E t n), press (H R L R L), press (n o) (H R L R L), press (S E S) (H R L R L), press
- [3] (n o) (H R L R L), press (S E S) (H R L R L), press
- [4] Face North (E t, F d), hold in position 1, press (E 2, d n).
- [5] Hold in position 2, press (E 3, b c), hold in position 3.
- [6] Press (E 4, u P), hold in position 4, press (E 5, r F).
- [7] Hold in position 5, press (E 6, r d), hold in position 6.
- [8] Press (E 7, r b), hold in position 7, press (E 8, r u).
- [9] Hold in position 8, press . If (F R t L), press and repeat steps 4 through 8. If (P R S S), press (- - - - - HD).

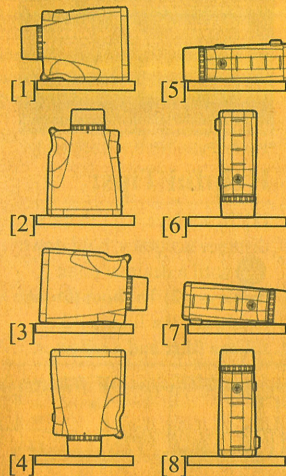


### Helpful Tips:

- [1] Always recalibrate your compass when (AZ) flashes.
- [2] If calibration fails repeatedly, perform the tilt calibration then repeat steps.

## Calibrate the Tilt Sensor (Models 360/B/R):

Always perform on a flat, fairly level surface. For the TruPulse 360 R, you will need to use the edge of a surface to access the buttons in position 3.



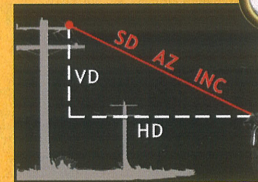
- [1] Press-and-hold (M, t S), press until (n L).
- [2] Press (n o) (E R L), press (S E S) (E R L), press (E t, F d), hold in position 1, press (E 2, d n).
- [3] (E t, F d), hold in position 1, press (E 2, d n).
- [4] Hold in position 2, press (E 3, b c).
- [5] Hold in position 3, press (E 4, u P).
- [6] Hold in position 4, press (E 5, r F).
- [7] Hold in position 5, press (E 6, r d).
- [8] Hold in position 6, press (E 7, r b).
- [9] Hold in position 7, press (E 8, r u).
- [10] Hold in position 8, press . If (F R t L), press and repeat steps 3 through 10. If (P R S S), press (- - - - - HD).

[Hang 360 R buttons over an edge and press .

## Measure Distance:

In HD Mode, it will automatically measure SD, INC and AZ\* then calculate VD and HD. It outputs all the values via serial and/or Bluetooth® (Models B & R only). Measurements are from the center of laser to target.

- [1] Press until (- - - - - HD).
- [2] Aim at target where you have a clear line of sight then press-and-hold (t 3 0 HD).
- [3] Press to scroll through (2 3 4 5 SD VD INC AZ).



\*For TruPulse 360/B/R models only

### Helpful Tips:

- [1] To achieve 1 ft (30 cm) distance accuracy, hold down until a decimal point displays. [2] To shoot through brush, use the filter mode, foliage filter and a reflector.

## Calibrate the Tilt Sensor (Models 200/B):

Always perform on a flat, fairly level surface.

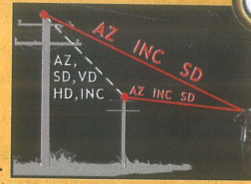
- [1] Press-and-hold (M, t S), press until (n L).
- [2] Press (E R L n), press (E R L S), press (E R L t), hold in position 1, press (E R L 2).
- [3] (E R L t), hold in position 1, press (E R L 2).
- [4] Rotate 180° to position 2, then press (d o n E).
- [5] Press (- - - - - HD).



### Measure Missing Line (Models 360/B/R):

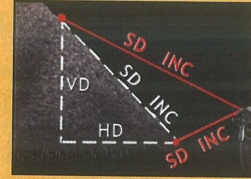
Position yourself anywhere you have a clear line of site to your two targets.

- [1] Press  $\blacktriangle$  until (Shot 1 ML) and (HD) flashes.
- [2] Aim at the 1st target, press-and-hold  $\text{FIRE}$  (1230 HD).
- [3] (Shot 2 ML) Aim at 2nd target, press-and-hold  $\text{FIRE}$  (2345 HD).
- [4] (5675 HD ML), keep pressing  $\blacktriangle$  to scroll through (5680 SD VD INC AZ) from shot 1 to shot 2.



### Measure Missing Line (Models 200/B):

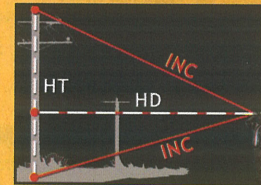
Follow the same steps above. You need to position yourself where shot 1 and 2 are made looking in the same direction with a clear line of site to both targets. The exception is the VD solution will always be accurate no matter which direction shot 1 and 2 are taken.



### 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  $\blacktriangle$  until (- - - - HT) and (HD) flashes.
- [2] Aim anywhere you have a clear line of sight and press-and-hold  $\text{FIRE}$  (1230 HD).
- [3] (889.1) Aim to top, then press-and-hold  $\text{FIRE}$ .
- [4] (120INC) (889.2) Aim to bottom, press-and-hold  $\text{FIRE}$ , (- 10INC) (283 HT).

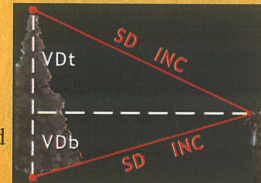


### Helpful Tip:

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

### Measure Height in 2-Shots:

- [1] Press  $\blacktriangle$  until (VD), aim at top of target then press-and-hold  $\text{FIRE}$  (250 VD)t. Note value.
- [2] Aim at the bottom of the target then press-and-hold  $\text{FIRE}$  (- 25 VD)b. Note value and  $HT = VD_t - VD_b$ .



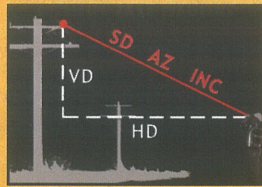
### Required Clearances from TruPulse® Compass:

When firing the TruPulse 360, please maintain a safe clearance of:

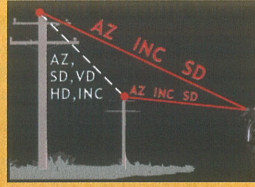
- 6 in (15 cm) minimum:** Metal rim glasses, pen/pencil, metal watch band, pocket knife, metal zipper/buttons, belt buckle, batteries, binoculars, cell phone, keys, camera, camcorder, survey nails, metal tape measure.
- 18 in (50 cm) minimum:** Clipboard, data collector, computer, GPS antenna, 2-way radio, hand gun, hatchet, cell phone case with magnetic closure.
- 6 ft (2 m) minimum:** Bicycle, fire hydrant, road signs, sewer cap or drain, steel pole, ATV, guy wire, magnets, chain-link fence, bar-wire fence, data collectors that use a magnet to hold the stylus.
- 15 ft (5 m) minimum:** Electrical box, small car/truck, powerline, building with concrete & steel.
- 30 ft (10 m) minimum:** Large truck, metal building, heavy machinery.

# TruPulse® Values & Key Code:

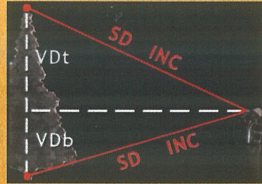
1-Shot HD Mode:



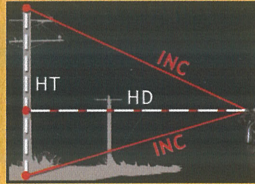
2-Shot Missing Line:



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

**AZ** = Azimuth (360 models)

**ML** = Missing Line

= Fire Button

= Up Button

= Down Button

= In-scope Top

= In-scope Bottom