



TruPulse® Quick Reference Field Guides

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



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for TruPulse® Training Videos



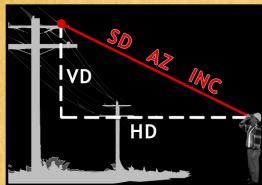
TruPulse® 200/B, 360/B



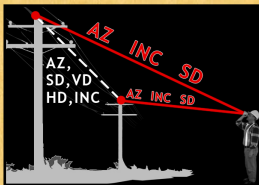
TruPulse® 360 R

TruPulse® Values & Key Code:

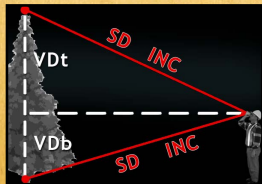
1-Shot HD Mode:



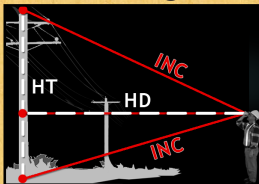
2-Shot Missing Line:



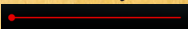
2-Shot Height:



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

Change Units of Measurement:

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

Change Targeting Mode:

For **Standard Mode**, press-and-hold  (t 5 t d t), then press .

For **Filter Mode**, press-and-hold  (t 5 t d t), press  (t f l t t), then press .

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



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.

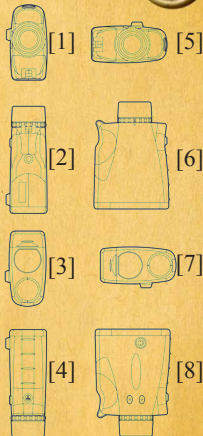
Calibrate the Compass (Models 360/B/R):

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

- [1] Press-and-hold  (W n, t 5), press  until (H _ A n 9)
- [2] Press  (d E C L n), press  (H A C A L), press .
- [3] (n d)(H A C A L), press  (y E 5)(H A C A L), press .
- [4] Face North (C 1 _ F d), hold in position 1, press  (C 2 _ d n).
- [5] Hold in position 2, press  (C 3 _ b c), hold in position 3.
- [6] Press  (C 4 _ u p), hold in position 4, press  (C 5 _ r f).
- [7] Hold in position 5, press  (C 6 _ r d), hold in position 6.
- [8] Press  (C 7 _ r b), hold in position 7, press  (C 8 _ r u).
- [9] Hold in position 8, press . If (F A n), press  and repeat steps 4 through 8. If (P A 5 5), press  (· · · · · **HD**).

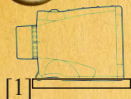
Helpful Tips:

- [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):

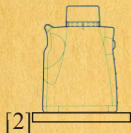
Always perform on a flat, fairly level surface. For the TruPulse 360 R, you will need to use the edge of a surface to access the buttons in position 3.



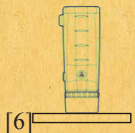
[1]



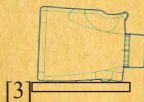
[5]



[2]



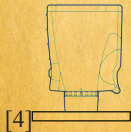
[6]



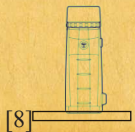
[3]



[7]



[4]



[8]

- [1] Press-and-hold (0000), press until (000).
- [2] Press (00) (000), press (000) (000), press .
- [3] (0000), hold in position 1, press (0000).
- [4] Hold in position 2, press (0000).
- [5] Hold in position 3, press (0000).

[Hang 360 R buttons over an edge and press .

- [6] Hold in position 4, press (0000).
- [7] Hold in position 5, press (0000).
- [8] Hold in position 6, press (0000).
- [9] Hold in position 7, press (0000).
- [10] Hold in position 8, press .

If (0000), press and repeat steps 3 through 10.

If (0000), press (..... **HD**).

Measure Distance:

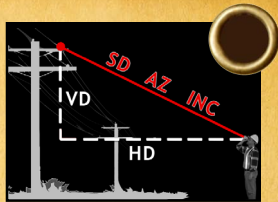
In HD Mode, it will automatically measure SD, INC and AZ* then calculate VD and HD. It outputs all the values via serial and/or Bluetooth® (Models B & R only). Measurements are from the center of laser to target.

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

Calibrate the Tilt Sensor (Models 200/B):

Always perform on a flat, fairly level surface.

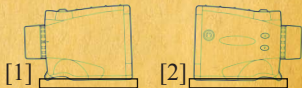
- [1] Press-and-hold  (0 0 1 5), press  until (0 0 1).
- [2] Press  (1 0 1 . 0), press  (1 0 1 . 5), press .
- [3] (1 0 1 . 0), hold in position 1, press  (1 0 1 . 2).
- [4] Rotate 180° to position 2, then press  (0 0 1).
- [5] Press  (. . . . **HD**).



*For TruPulse 360/B/R models only

Helpful Tips:

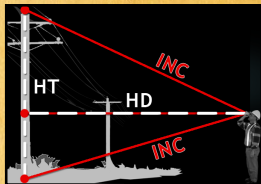
- [1] To achieve 1 ft (30 cm) distance accuracy, hold down  until a decimal point displays.
- [2] To shoot through brush, use the filter mode, foliage filter and a reflector.



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**) and (**HD**) flashes.
- [2] Aim anywhere you have a clear line of sight and press-and-hold  (**12.30 HD**).
- [3] (**8.9.1**) Aim to top, then press-and-hold .
- [4] (**12.0 INC**) (**8.9.2**) Aim to bottom, press-and-hold , (**1.0 INC**) (**28.3 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:

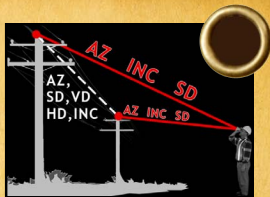
- [1] Press  until (**VD**), aim at top of target then press-and-hold  (**25.0 VD**)t. Note value.
- [2] Aim at the bottom of the target then press-and-hold  (**1.25 VD**)b. Note value and $HT = VD_t - VD_b$.



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

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

- [1] Press  until (**Shot 1 ML**) and (**HD**) flashes.
- [2] Aim at the 1st target, press-and-hold  (**1230 HD**).
- [3] (**Shot 2 ML**) Aim at 2nd target, press-and-hold  (**2345 HD**).
- [4] (**5575 HD ML**), keep pressing  to scroll through (**5560 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.

