

*Northeast Diagramming Services /www
forensicdiagram.com*

- 1: Pick the appropriate set up location and the operator.**
- 2: Put the entire system together.**
- 3: Loosen all legs and lift so that the site scope is comfortable. Then lock the legs**
- 4: Test the laser**

Power on Impulse laser
(1st button on right side)
Turn filter on if using the prism pole(use the right front button until you see the “SYS”. Then use the fire(power) button to turn the filter on or off.
Then use the back(Right middle) button to access the TT of sight alignment mode.
When done use the forward button to get to the measurement mode.
Make sure the Impulse displays **HD,F,Filter** in top center of LCD display

LEVELING THE ANGLE ENCODER.
Use the tribrack if you have one to level the system.
Press On (bottom right corner)
Press SEL (top left corner) you should have a numerical display and what looks like a flashing T (which is the tilt indicator. There is also a bubble level to the left of the numerical display. You will use both the bubble level and the numerical values to level the Angle Encoder.
Lock the Angle Encoder in place with the lower right brass knob by turning clockwise. It will make it easier to level the Angle Encoder if you face the front of the Encoder in the same direction as one of the legs on the tripod and lock it into position with the brass knob.
You want to achieve a “0” reading on the Angle Encoders numerical display. You will also form a full circle with the bubble level when you have a “0” reading on the display.

Once level, press the SEL on AE (top left corner) 2 times. You should have an R>> at the top and a numerical value below this. You may release the Angle Encoder to turn freely by turning the lower brass knob counter clockwise. This will enable the AE to rotate 360 degrees.

Power on Recon/PocketZone
Tap on START
Programs
PZ / PocketZone
Enter File Name and tap on OK
Tap on File and than Laser Device
Tap on Laser Device Window and select LTI Angle Encoder, Enter Instrument Settings if mapping in 3D
You are now ready to take the first shot (**Zero reference line**) and plot your instrument point and control point 2. The first shot is best use to establish the “0” point.(Top of page).
You will have to fire the laser **2 times** on the first shot to zero the Angle Encoder. Every point plotted after this, you will only fire the laser 1 time.

Next shoot a distance point that has been measured with a tape and **marked**.
Shoot reference points, then evidence, then scene.
Make sure the last point shot is the distance shot. Then once done save a PZD, TXT, RAW.

