

DW077 Field Calibration Check

The following procedure should be used to quickly check if the DW077 rotary laser is properly calibrated.

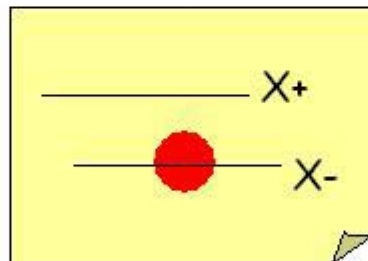
The laser must be placed on a stable, flat, and level surface at least 50' from a vertical wall which can be used as a target. This target wall can be inside or outside, but the surface the laser is placed on must be smooth, stable, and fairly level.

With the "X" (on the top of the units housing) facing toward the target wall, turn the laser on, allow it to level itself, and mark the elevation of the laser dot on the target wall. A lined piece of paper taped to the target wall works well for this application. Taking care to be as accurate as possible, mark the elevation of the dot by putting a horizontal line through it as shown below. Mark this elevation as X+.



Rotate the laser 180°, so that the "X" is facing away from the wall. Turn the laser on and allow it to finish leveling. Rotate the prism cap so that the dot is facing the target wall near the first mark and mark this elevation as X-. X- may be above or below X+. It should look like:

If lines are,
less than 1/8" apart, than okay
greater than 1/8", **not** okay



If the X+ and X- lines are more than 1/8" apart at 50', the laser must be recalibrated.

Repeat this procedure for the Y-axis.

