

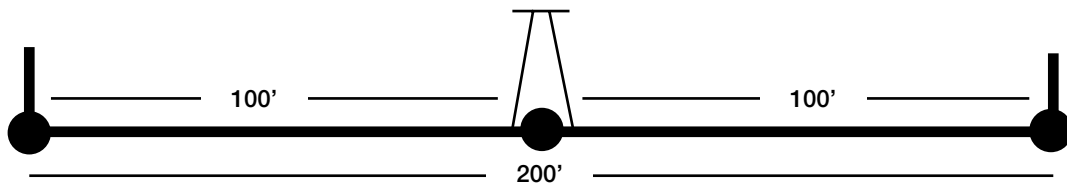
# FOR YOUR INFORMATION !

## How Do I Know If My Level Is Accurate?

This question is asked quite often. The best way to know is bring it in to our repair department for calibration.

There are a few things you can do in the field to determine if it is accurate. First of all make sure all mechanical parts are functioning properly, and there are no signs of damage. After leveling, level vials should remain level when you turn the instrument. One way to tell if the cross-hairs are shooting a level line is to set up near a lake or pond and sight a leveling rod held on the surface of the water at various distances. You should get the same readings since the water surface is level.

Another field test is called a two-peg-test. This procedure is:



Set two points approximately 200 feet apart. Set the instrument up exactly in the middle. Read a rod on each point and subtract them. (The difference in elevation of these points will be accurate whether the instrument is adjusted properly or not.)



Move the instrument approximately 15 feet from either point. Read the rod on each point again and subtract them. Compare difference to the first set of readings. If the instrument is in good adjustment, the difference in both sets will be the same. If they are not the same, the instrument needs to be calibrated.

ELLERBUSCH INSTRUMENT CO  
4509 VINE ST  
CINCINNATI, OH 45217  
513-641-1800  
513-641-4360 fax  
800-582-2644  
info@ellerbusch.com



**Ellerbusch**