

Hejny Rentals, Inc.

Contractor, Lawn & Garden, and Party Equipment Rentals
1829 White Bear Ave. - Maplewood, MN 55109
Phone: 651-770-3841 – Fax: 651-770-1725
www.hejnyrental.com

BUILDING LEVEL

Specifications -

Optimum Sighting Range - Recommended job range up to 200 feet.

Accuracy Range - Recommended for jobs requiring leveling accuracy within 1/4" at 75 feet.

* The telescope provides a sharp image magnified 20 times. The telescope features a built-in sunshade which protects the objective lens and reduces glare.

* To focus on an object, sight through the eyepiece and turn either focusing knob with right or left hand until the object appears sharp and clear. For closer focus, turn the knob clockwise. For farther focusing, turn counterclockwise.

* The graduations on the two section leveling rod are 1/8" wide and 1/8" apart and are marked in feet, inches and eighths. Feet are numbered in red.

* On every foot section, small red foot numbers are repeated between the 3" and 4" figures, and the 6" and 7" figures. This is convenient for short sightings where the main foot marks may not be in the instrument field of view.

Setting Up the Instrument -

1. It is important that the tripod is set up firmly. To extend tripod from folded position, loosen wing nuts and unfold legs. Make sure legs are straight at the leg joints and hand tighten wing nuts. Make sure the tripod points are well into the ground. When setting up on a smooth floor or paved surface, secure the points of the legs by chipping the concrete, attaching chains between the legs, or putting a brick in front of each leg. If setting up in dirt, apply your full weight to each leg to prevent settlement. Check the tripod legs and tighten hex nuts with 1/2" open end wrench to tension desired. The legs should have about a 3' spread, positioned so the top of the tripod head appears level.

2. Attach the instrument to the tripod securely, hand tightening the tripod cup assembly to the mounting stud using the screwdriver-style handle on the tripod.

3. Turn down the instrument leveling screws until firm contact is made with the tripod head. A work of caution: it is very possible to over-tighten the leveling screws. You want only a firm contact between the screws and the tripod head. If the instrument shifts on the tripod, turn down the screws more firmly by hand.

4. Leveling the instrument so the vial bubble remains centered through a 360 degree rotation of the telescope is the most important operation in preparing to use the instrument. When leveling the instrument, be sure not to touch the tripod.

A) Line up the telescope so that it is directly over one pair of leveling screws. Grasp these two leveling screws with the thumb and forefinger of each hand. Turn both screws at the same time by moving your thumbs toward each other or away from each other, until the bubble is centered.

B) When the bubble is centered, rotate the telescope 90 degrees over the second pair of leveling screws and repeat procedure (A).

C) Shift back to the original position and check the level. Make minor adjustments with leveling screws if necessary.

* For a final level check, rotate the telescope over each of four leveling points to be sure the bubble remains centered.

Sighting and Focusing the Telescope -

Aim the telescope at the object and sight first along the top of the telescope tube. Then look through the telescope and adjust the focus. Center the cross hairs on the object on which you're sighting. When sighting through the telescope, keep both eyes open. You will find that this eliminates squinting, will not tire your eyes and gives the best view through the telescope. Remember to avoid touching the tripod while sighting.

Using the Instrument -

This instrument, as do all sighting levels, operates on the simple principle that any point along a level line of sight is exactly level with any point along that line.

Need It. Rent It!