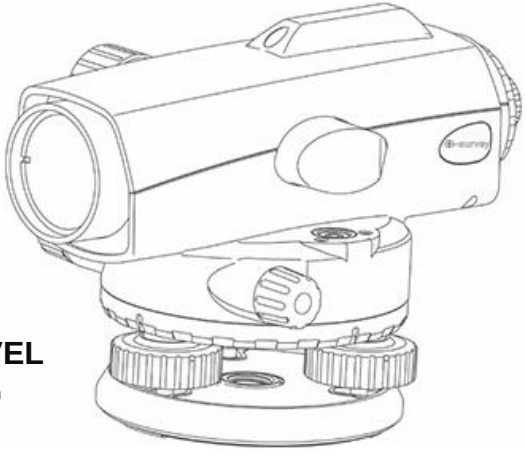
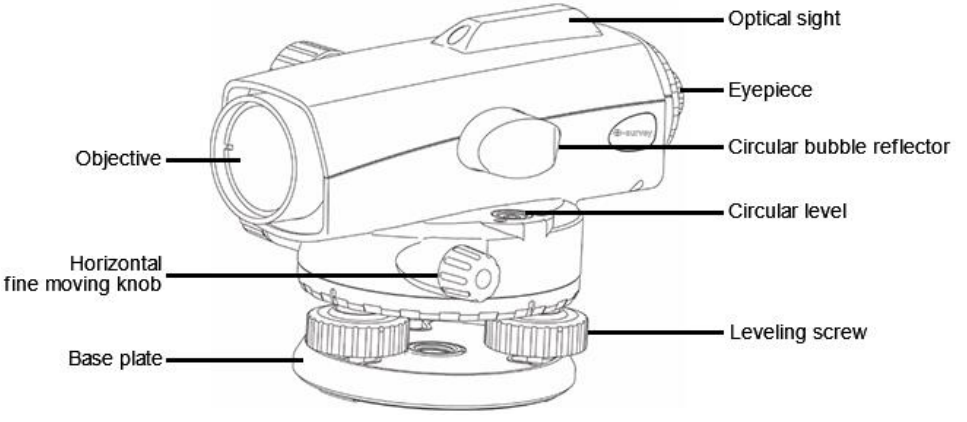
e-survey



ESL3 AUTOMATIC LEVEL

QUICK START

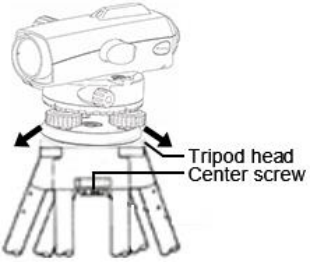
Nomenclature

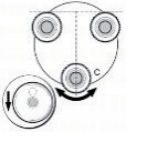


Set up the Instrument

1. Unbuckle the tripod's lower belt and release the extension clamp screws.
2. Extend the tripod-legs until the tripod head is at your eye level and fasten the extension clamp screws.
3. Spread the tripod-legs so that the leg-tips form a regular triangle
4. Make sure the tripod head is approximately level, and stamp the tripod-feet firmly into the ground.

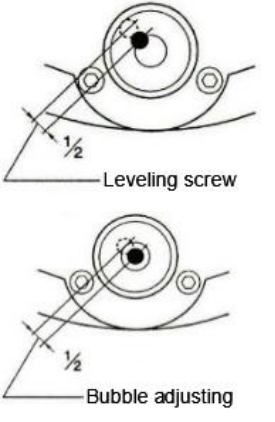
   CAUTION: *Please keep the tripod head as level as possible.*
5. Set the automatic level onto the tripod head and tighten the center screw.
6. Adjust the three leveling screws to get the bubble in the center.





Check and Adjust the Circular Level

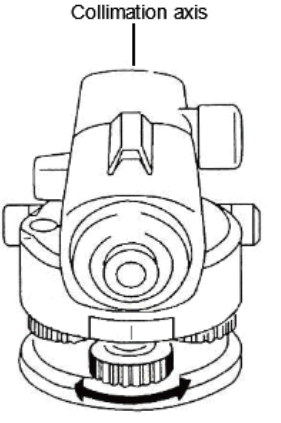
1. Adjust the leveling screws to center the bubble in the circular level.
2. Turn the instrument 180°, and follow the following steps if the bubble shifts.
3. Adjust the leveling screws, and move the bubble one half of the shift to the center of the circular level.
4. Adjust the adjusting screws of the circular level with the hexagonal wrench, and make the bubble in the center.
5. Repeat the above steps until the bubble does not shift when the instrument turns to any direction.



Check the Collimation Axis

1. Center the bubble in the circular level.
2. Do one of the following:
   - Adjust the leveling screw near the collimation axis 1/8 turn, and observe the moving of the crosshair.
   - Aim the target that is easy to see, and slightly tap the tripod and instrument.

CAUTION: *It is the normal situation if the crosshair suffers instant deviation and immediately turns to normal.*



Specification

Telescope

Magnification: 32 X
Image: Erect
Objective aperture: 38 mm
Accuracy: ± 1.5 mm

Compensator

Working range: 15'
Setting accuracy: 0.5"
Sensitivity of circular bubble: 10'/2 mm

Physical Characteristics

Internal optical sight
IP66

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