

ABT4659
Target Pole



Instruction Manual

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2.0 Specification

Weight	-	4kg
Size (stacked)	-	1585mm x 95mm x 45mm

3.0 Target Pole

The target pole is an optional accessory for RouteScan. It allows the measurement of points that cannot be 'seen' directly by the laser, such as the gauge corner of the rail on an adjacent track.

It is comprised of:

- Target Pole;
- Rail Pole;
- Pointed Foot
- Rounded Foot.

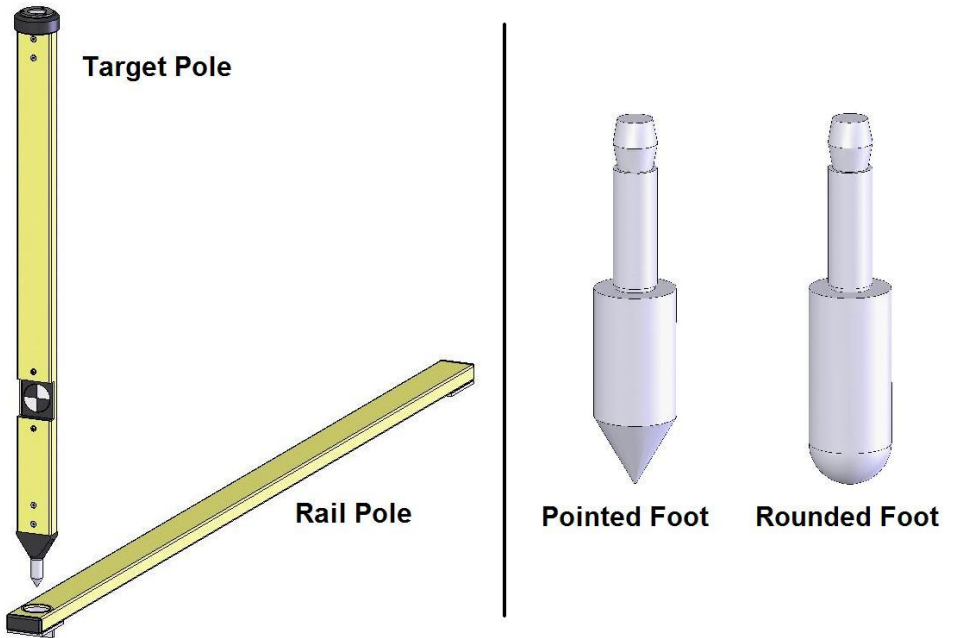


Figure 1

To measure a point using the target pole, load the Single Point screen and tick the 'Target Pole' tick box as shown in Figure 2. The software will automatically adjust the measurement by the vertical height of the target.

Figure 2 shows the AGI2 - Single Point Measurement screen interface. The screen displays input fields for X (mm), Y (mm), Laser distance, and Angle (deg). Below these fields are navigation buttons (0, <, >) and a slider. At the bottom, there are 'Measure' and 'Add to profile' buttons, a 'Note:' field, and a 'Target pole' checkbox which is circled in red. A red starburst icon is on the left and a black starburst icon is on the right. A red '1' is above the 'Add to profile' button and a red '2' is above the 'Note:' field.

Figure 2 AGI2 - Single Point Measurement

When measuring to the Target Pole:

- Ensure that the target surface is 'square' to the laser;
- Check that it is held vertically by using the bubble embedded in the top of the pole – a 1mm offset of the bubble from the centre of the vial translates approximately to a 0.5mm error in the X-Y measurement.

The Pointed Foot and Rounded Foot click into the bottom of the Target Pole and are interchangeable. When using the Target Pole on its own, it is advisable to use the Rounded Foot to minimise wear to the Pointed Foot (refer to Section 4.2).

When using the Target Pole with the Rail Pole, the Pointed Foot must be fitted. When measuring the location of an adjacent track, the Rail Pole allows the Pointed Foot to be located accurately on the gauge corner of the rail.

1. Place the Rail Pole on the track to be measured;
2. Ensure that the Rail Pole is located 'squarely' across the track and that it is firmly located against the rail being measured;
3. Locate the Pointed Foot in the socket in the Rail Pole.

4.0 Maintenance

4.1 Before Each Use

Make sure there are no obstructions in the Rail Pole socket such as dirt.

4.2 Every 3 Months

Visually inspect the ABT4659 for signs of damage. If necessary, contact your local distributor for help.

Check the Pointed Foot and Rounded Foot for wear by measuring the length as shown in figure. The foot should be replaced if it has worn by more than 1mm.

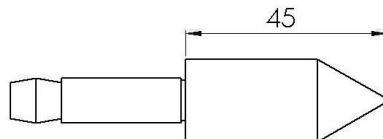


Figure 3