

Arc Window Measuring Device Instructions (DT88)

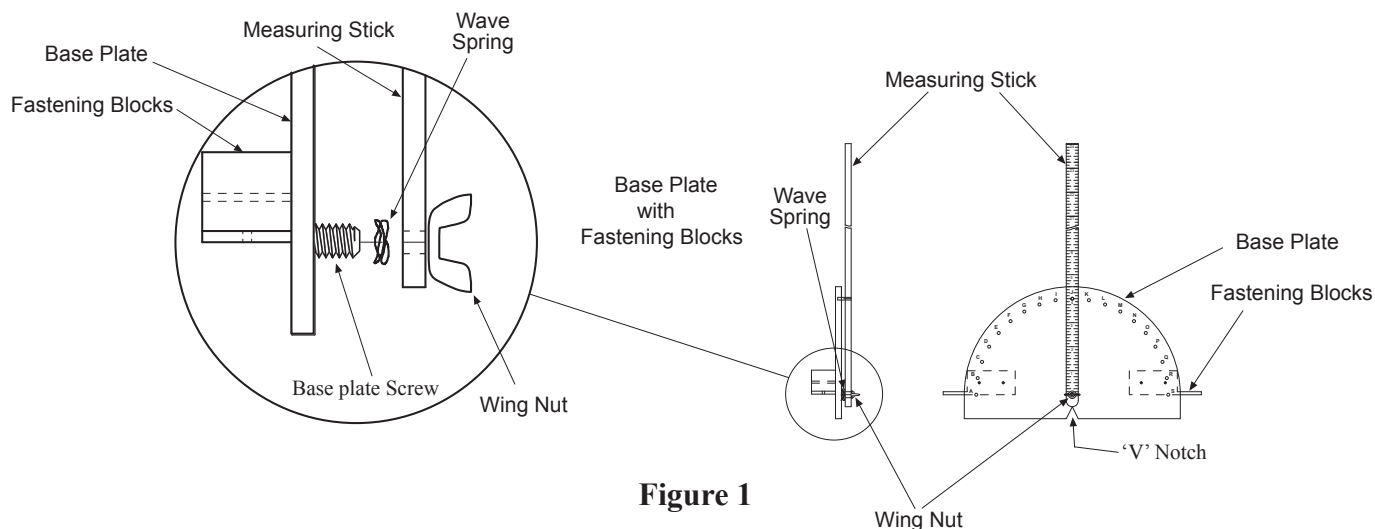


Figure 1

Assembly Instructions:

Remove the wing nut and wave spring from the Arc Window Base Plate. Insert the base plate screw through the wave spring, then insert the measuring stick and screw on the wing nut (see Figure 1). Tighten the wing nut by hand. **DO NOT OVERTIGHTEN THE WING NUT.** If the radius is longer than 24" use extension attachment as shown to the right. The Arc Window Measuring Device is now ready for use. This can be used to measure Type I or Type II windows as shown in the Arc Window system section of our catalog.

Measurement Instructions (Type I Windows):

Locate and mark the midpoint of the Arc Window sill. Align the center of 'V' notch on the bottom of the Arc Window Measuring Device to the midpoint of the Arc Window sill (Figure 2). If the window has trim or a suitable ledge, use quick release clamps (Stk# QC10) to fasten Arc Window Measuring Device to the Arc Window base. If clamping is not possible, use push pins, brads or removable masking tape to fasten the Arc Window Measuring Device to the Arc Window base. Measure the Arc Window with measuring stick positioned where the letter 'A' is located on the Arc Window Measuring Device. Be certain device does not move on the Arc Window sill at any time while making measurements. After a measurement is taken and written on the note pad, pull Measuring Stick slowly away from the base plate until pin on the backside of Measuring Stick moves clockwise to the next hole 'B'.

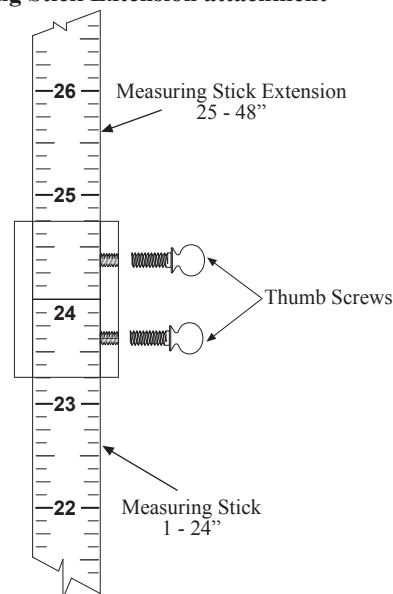
Take the reading and repeat the procedure until you reach the letter 'S'. You should have 19 readings. The measurement of the Arc Window is now complete. If your workroom also has a Arc Window Measuring Device, they can recreate the window based on these data points without actually visiting the job site.

Measurement Instructions (Type II Windows):

Measurement of Type II windows is similar to Type I windows. Figures 3a & 3b show typical Type II windows. To measure a Type II window, remove outside fastening block by unscrewing two phillips screws (save these screws for future use). Position the 'Base Plate Screw' over the 'Right-Angle' corner of the window. Align the vertical edge of the window to the 'Base Plate Screw' and the hole labeled 'J'. For windows like Figure 3a, measure and write down the readings from holes 'A' thru 'J'. For windows like Figure 3b, measure and write down the readings from holes 'J' thru 'S'. You should have 10 readings for a type II window.

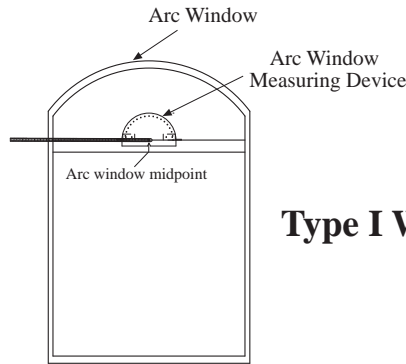
The measurement of the Arc Window is now complete. If your workroom also has a Arc Window Measuring Device, they can recreate the window based on these data points.

Measuring Stick Extension attachment



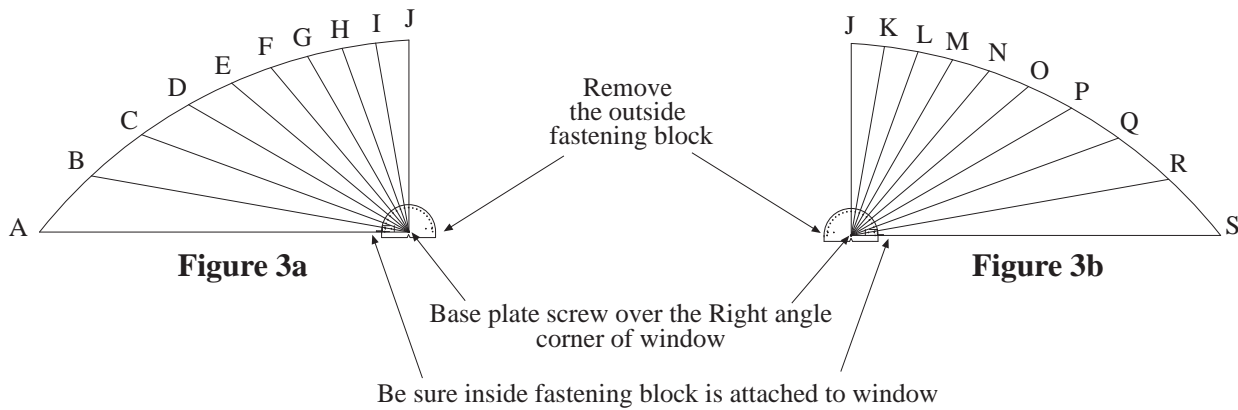
How to Duplicate the Arc Window measurement in the workroom:

In the workroom, you can recreate the arc window without actually visiting the job site. Remove the mounting blocks from the base plate by unscrewing the four phillips head screws (save these screws for future use). Use a large enough piece of paper to duplicate the arc window. Draw a vertical and horizontal line on the paper as shown in Figure 4. Place Arc Window Measuring Device on the paper, face up (Figure 5). Align the center of hole 'J' and 'V' notch to the vertical line and the center of the screw to the intersection of the horizontal and vertical lines. Gently Clamp Arc Window Measuring Device to the table and make sure the clamp does not hinder the movement of the Measuring Stick while marking the points. Starting from the letter 'A', mark on the paper the readings you have taken. By moving the measuring stick to your right (clockwise), mark the points on the paper until you reach the letter 'S'. Remove the clamps and Arc Window Measuring Device. Join the points you have marked on the paper. We recommend to use our Flexible Ruler (Stk# DYC80) or Metal Drawing Curve (Stk# MR51). This will give you an exact replica of the Arc Window you measured.



Type I Window

Figure 2



Type II Windows

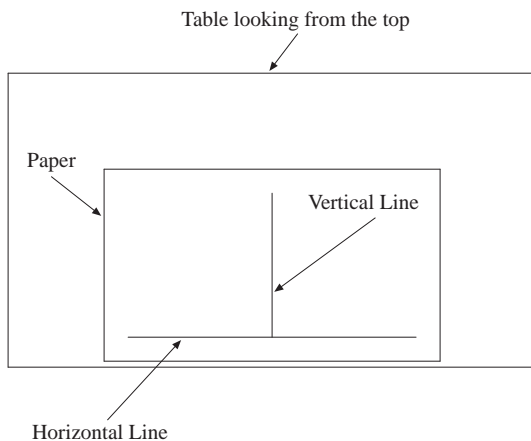


Figure 4

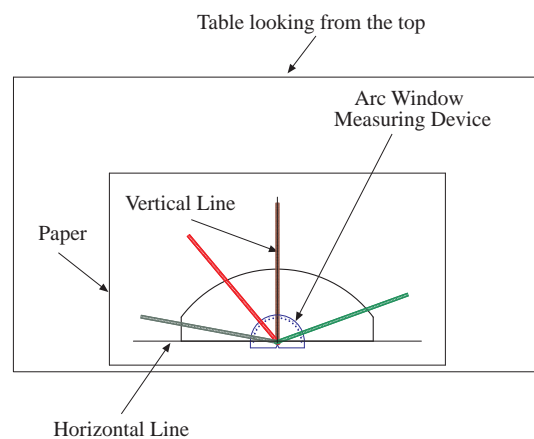


Figure 5