



## The Envision Group

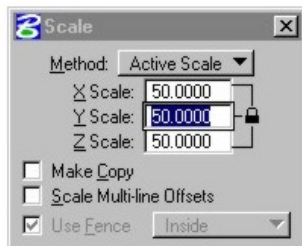
MicroStation & InRoads | EDUCATION•CONSULTING•SUPPORT•VISUALIZATION

8517 Excelsior Drive, Suite 205  
Madison, WI 53717-1995  
608.836.3903 Phone  
608.662.9043 Fax

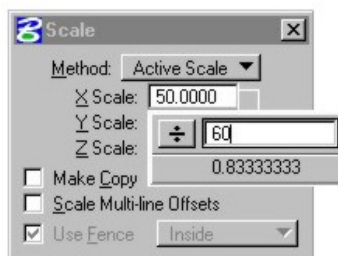
## Active Scale Tool with Popup Calculator

You can keep your hand-held calculator turned off when you need to perform math functions in MicroStation. Using the same popup calculator math functions +, -, \*, /, = that are available with AccuDraw, you are able to calculate things like scale factors. For example if you have an element that was placed in a drawing for a 60 scale plot and now it needs to be sized for a 50 scale plot, follow the steps bellow.

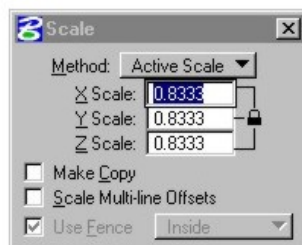
1. Select the *Scale* tool, with the input focus in either the X, Y, or Z fields, enter the value “50”.



2. Now press “/” this will activate the popup calculator for division.
3. With the input focus in the popup calculator enter the value “60”. Notice the lower portion of the dialog displays a preview of the answer.



4. Press enter or click outside the popup calculator to accept the calculated value.





## The Envision Group

MicroStation & InRoads | EDUCATION•CONSULTING•SUPPORT•VISUALIZATION

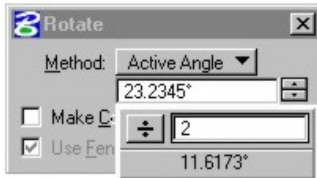
8517 Excelsior Drive, Suite 205  
Madison, WI 53717-1995  
608.836.3903 Phone  
608.662.9043 Fax

Now that the active scale is set to the correct ratio you can scale the element.

If you unlock X, Y, Z Scale then you are able to use the math functions independently for each direction.

I often use this command when I am copying pipes in a profile and need to scale a pipe, for example from a 10" diameter to a 36" diameter.

This also works on the Rotate Active Angle Dialog box and others.



See what other dialog boxes you can find that work with Popup Calculator.

[Robert Mecham](#) is a partner with the firm [The Envision Group](#) in Madison, WI. The firm specializes in MicroStation and the Inroads Suite of products. In addition to providing training for MicroStation & Inroads, they offer visualization services and consulting for clients throughout the United States.