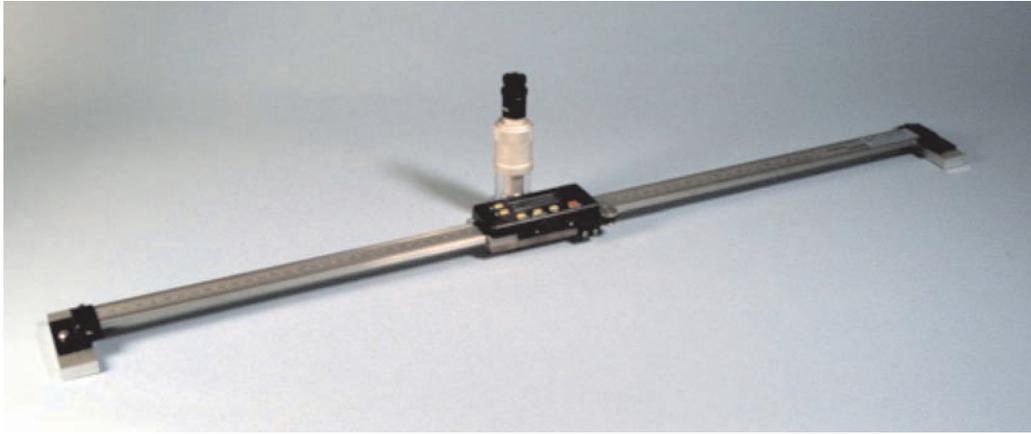


BETA PRECISION ELECTRONIC RULER



The Beta Precision Electronic Ruler allows precise, non-contact measurements of large and small distances on films, plates, dies, and prints.

Narrow lines can be measured within the eyepiece of the 25x microscope, while the cross hair is used to locate larger details when sliding the readout.

OPERATION

1



Press the red ON button to activate the display. Press the Inch/MM button to toggle between units.

2



Bring the image into sharp focus by turning the large knurled ring.

3



Rotate the upper black ring to bring the reticle into sharp focus.

4



Turn the lower black ring to align the reticle to the image.

5



Slide the readout close to the end position and place in final position by using the fine motion roller as shown.

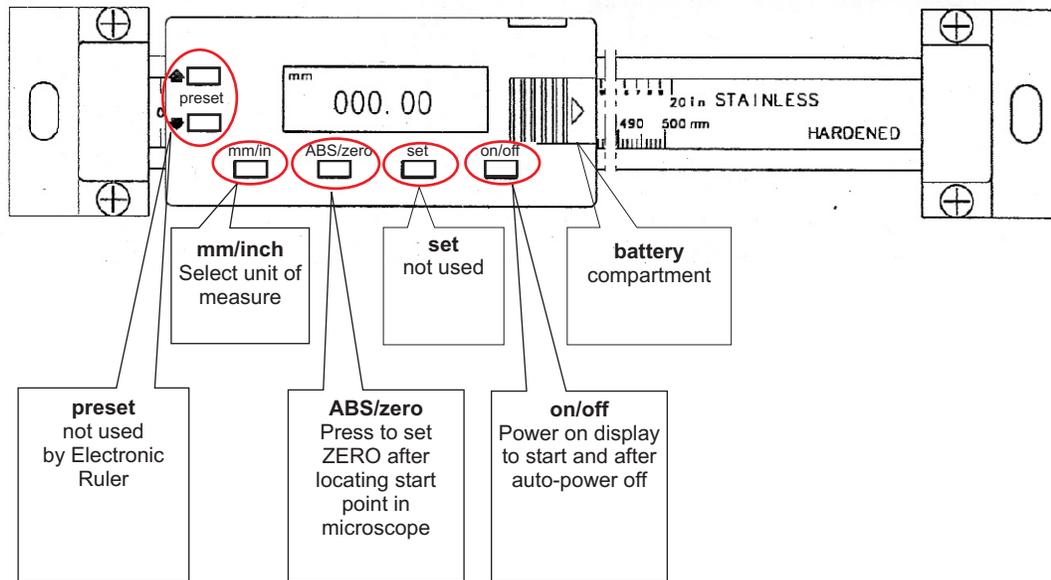
Optional microscopes of 25x, 75x, and 100x are available. Specify inch or metric reticles for the microscope to suit your needs.

Contact us for further information about our high precision glass-scale and video units.

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Precision Electronic Ruler Display Functions

Your Beta Precision Electronic Ruler will allow you to make highly accurate, non-contact measurements on many types of samples. Films, plate, prints and more can be easily measured without risk of damage to delicate samples. After mounting the microscope to the plexiglass plate follow the procedure outlined below to set up the electronic display.



- Set the beam of the Beta Precision Electronic Ruler precisely parallel to the line or object being measured. Check that both ends of the object are at the same vertical position in the microscope eyepiece.
- Press the **mm/inch** button to select the proper unit of measure.
- Rotate the entire microscope body to align the crosshair to the 12, 3, 6, and 9 o'clock position. Rotate the black eyepiece focus ring to bring the scale into sharp focus.
- Bring the object into sharp focus by turning the large knurled ring on the body of the microscope. Align the microscope crosshair to the start position and press the **ABS/zero** button until 0.00 appears in the display.
- Move the microscope and slide assembly to the end of the object. Remove your hand from the from the slide and check the focus. Carefully adjust the microscope focus if needed.
- Use the fine motion thumb roller to position the crosshair precisely over the end of the object.
- Read out the total length of the object on the display. The **mm/inch** button may be pressed to change the unit of measure.
- After all measurements are complete press the **on/off** button to power down the display.

Precision Electronic Ruler Microscope Assembly

The clear plastic plate attached to the digital readout has a large hole to carry the Beta DMR microscope. The inside edge of the mounting hole has a groove to match the base of the microscope.



Squeeze the plastic base of the microscope as shown. Press one edge into the groove and then move the opposite edge into place. When properly seated, the microscope will be firmly held in place and will not fall out even if the assembly is inverted.



The microscope and digital readout should look like this after assembly. To remove the microscope when storing the ruler, squeeze the base and lift the microscope out.

