



Precision Digital Electronic Rulers

EXACT NON-CONTACT MEASUREMENT OF MATERIALS & STRETCH
Measure Films, Plates, Dies, Prints, Circuit Boards & More
For Flexo, Offset, Screen, Wide Format, Electronics

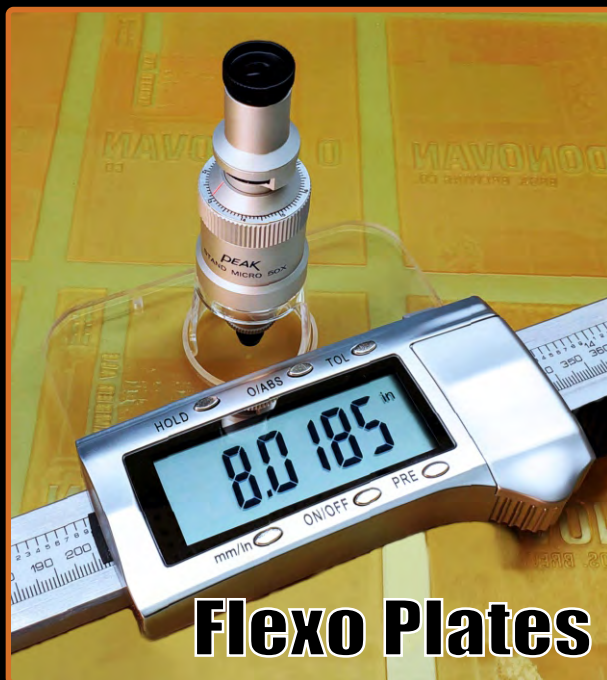


Labels

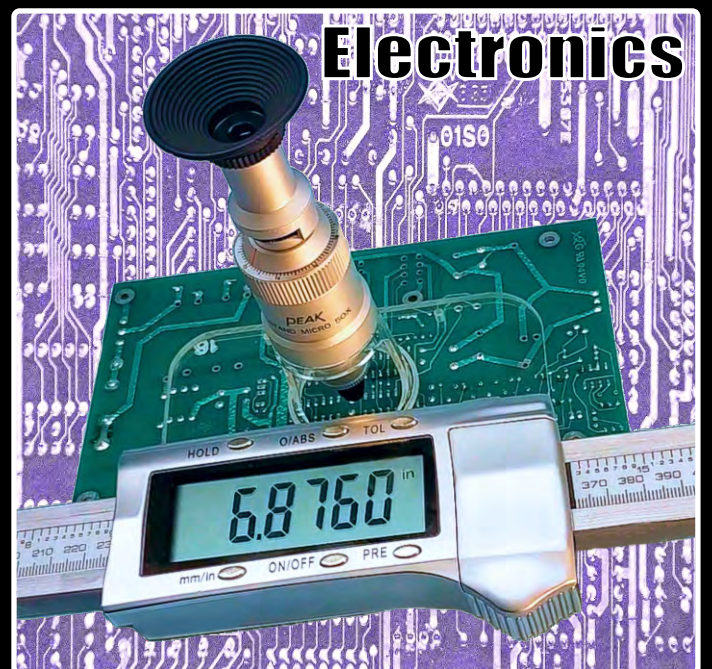
The Precision Digital Electronic Ruler's Non-Contact measurement system accommodates samples of any thickness in lengths up to 80 inches / 2000 mm. The digital readout displays absolute or incremental measurements with 0.0005" / 0.01mm resolution.



Printing



Flexo Plates



Electronics

MEASURE - VIEW - DOCUMENT

Materials Requiring Absolutely Precise Measurement

**Exact, Non-Contact, Measurement, of Large & Small Distances
For Films, Plates, Dies, Print, Circuit Boards & More
For Flexo, Offset, Screen, Gravure, Wide Format, Electronics**

BETA PRECISION DIGITAL ELECTRONIC RULERS FOR ANY MEDIUM

where precise, repeatable measurement is critical. A 50x microscope attached to a digital display traverses the area to be measured on a rugged steel beam. The operator selects inch or metric measurements with a resolution of either 0.0005 inches or 0.01mm.

For distances over 0.060 inches / 1.6 mm the operator places the microscope cross hairs over the start of the sample and zeros the digital display. The slide assembly is then moved to the opposite end of the sample and the fine-motion thumb roller is then used to place the cross hairs over the end of the sample.

- Large-format, high contrast LCD display shows the distance moved across the sample
- Display and measuring system are powered by the self-contained battery, eliminating cables and chargers
- Incremental measurements can be made by setting the zero anywhere along the sample.
- Rubber feet rest solidly on the work surface and support the microscope micrometer assembly above the sample
- The Ruler's stainless steel construction makes it appropriate for laboratory or production environments
- When very large samples are measured, the non-skid mounting feet are placed directly on the film, plate, or other substrates without damage.



FOLDING CARTON MEASUREMENTS

SIZES/ LENGTHS

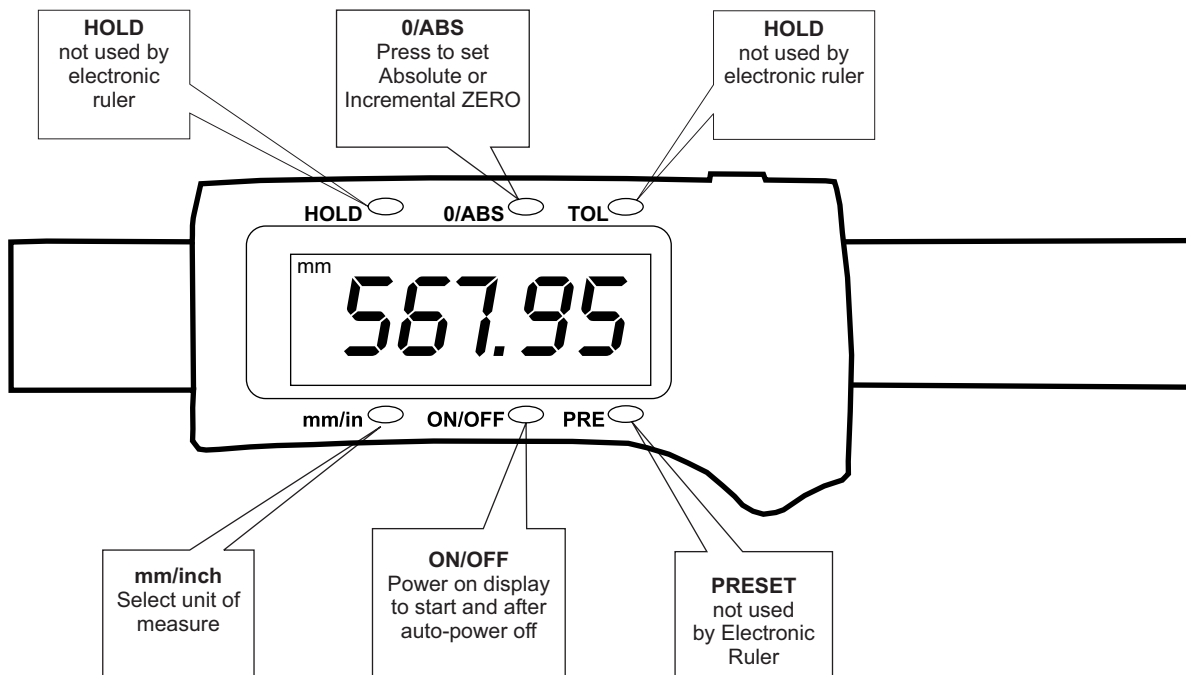
- 16 inches / 406 mm
- 24 inches / 610 mm
- 30 inches / 762 mm
- 40 inches / 1016 mm
- 60 inches / 1524 mm
- 80 inches / 2032 mm

**All Rulers Come Standard with Peak
50X Microscopes Unless Otherwise
Specified or Requested**



Precision Digital Electronic Ruler Display Functions

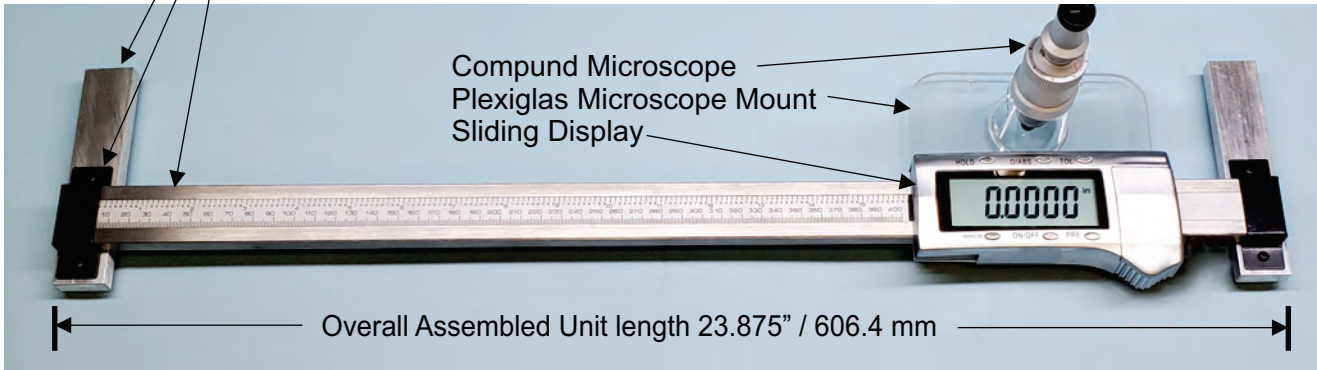
Your **Beta Precision Digital Electronic Ruler** will allow you to make highly accurate, non-contact measurements on many types of samples. **Films, plates, prints, electronic circuit boards**, and more can be easily measured without risk of damage to delicate samples. After mounting the microscope to 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 ON/OFF button and then 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 **0/ABS** 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.

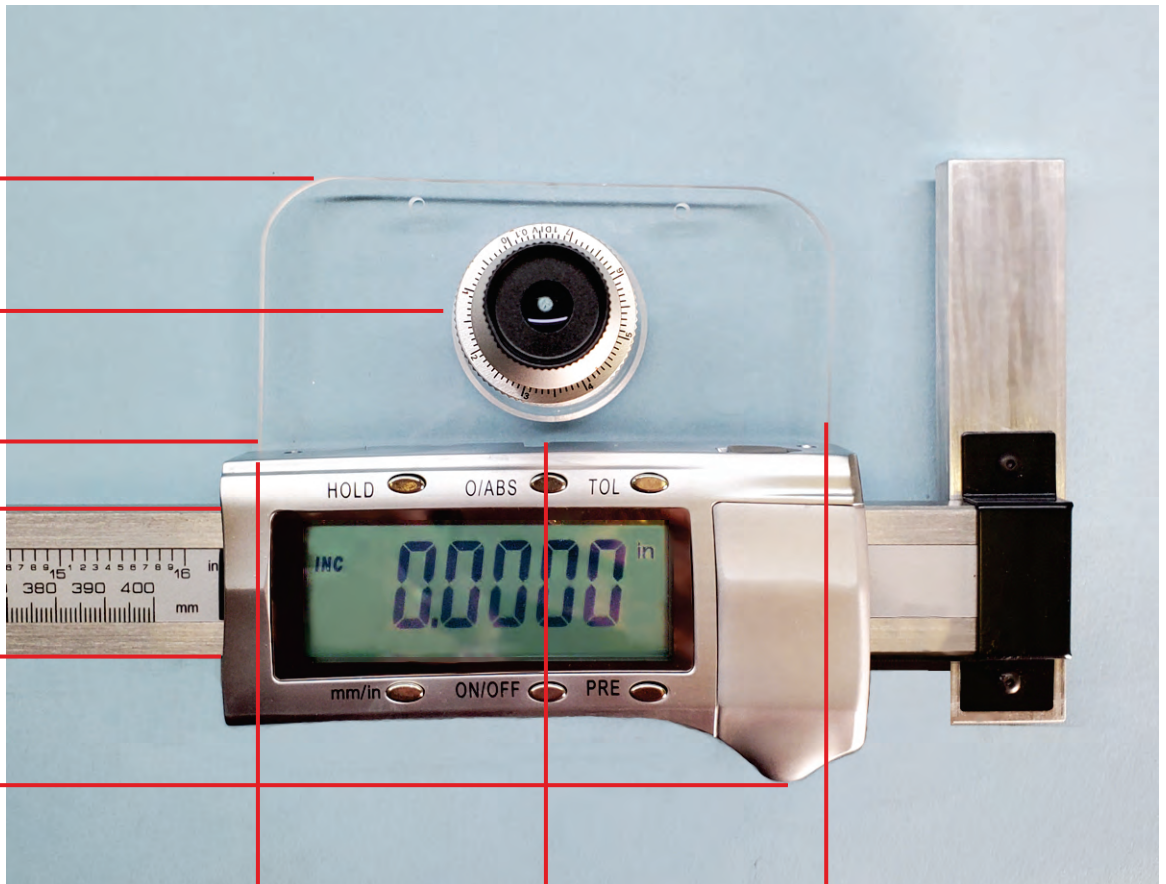
Beta Precision Digital Electronic Ruler 16" / 406 mm Unit Dimensions & Specifications

- Aluminum leg 1" x 3/8" x 4 3/4" (2.54 cm x 0.952 cm x 12.065 cm)
- Steel mounting strap .787" x 2.362" (1.998 cm x 5.999 cm)
- Measuring Beam 1.217" x .410" (nominal 31 mm x 10.5 mm)



Microscope and slide assembly shown at the extreme right end of travel on the beam with the standard black strap clamps and aluminum legs installed. The maximum displayed distance is 16.083". The display may be zeroed at any location and moved right or left from that location.

- Edge of microscope mounting plate 3.932" / 9.987 cm
- Centerline of microscope 2.750" / 6.985 cm
- Top edge of sliding display 1.650" / 4.191 cm
- Top edge of beam 1.217" / 3.09 cm
- Bottom edge of beam 0.000
- Bottom edge of display 1.008" / 2.56 cm



- Edge of plexiglas aligns with edge of sliding display 0.000
- Microscope centerline 2.413" / 6.129 cm
- Width of plexiglass and display 4.854" / 12.329 cm



Beta Precision Digital Electronic Ruler 16" / 406 mm Unit Dimensions & Specifications

Top of ocular at
normal focus
4.95" / 12.573 cm

Top of LCD display above
sample 1.430" / 3.63 cm

Top of Beam 1.038" / 2.636 cm

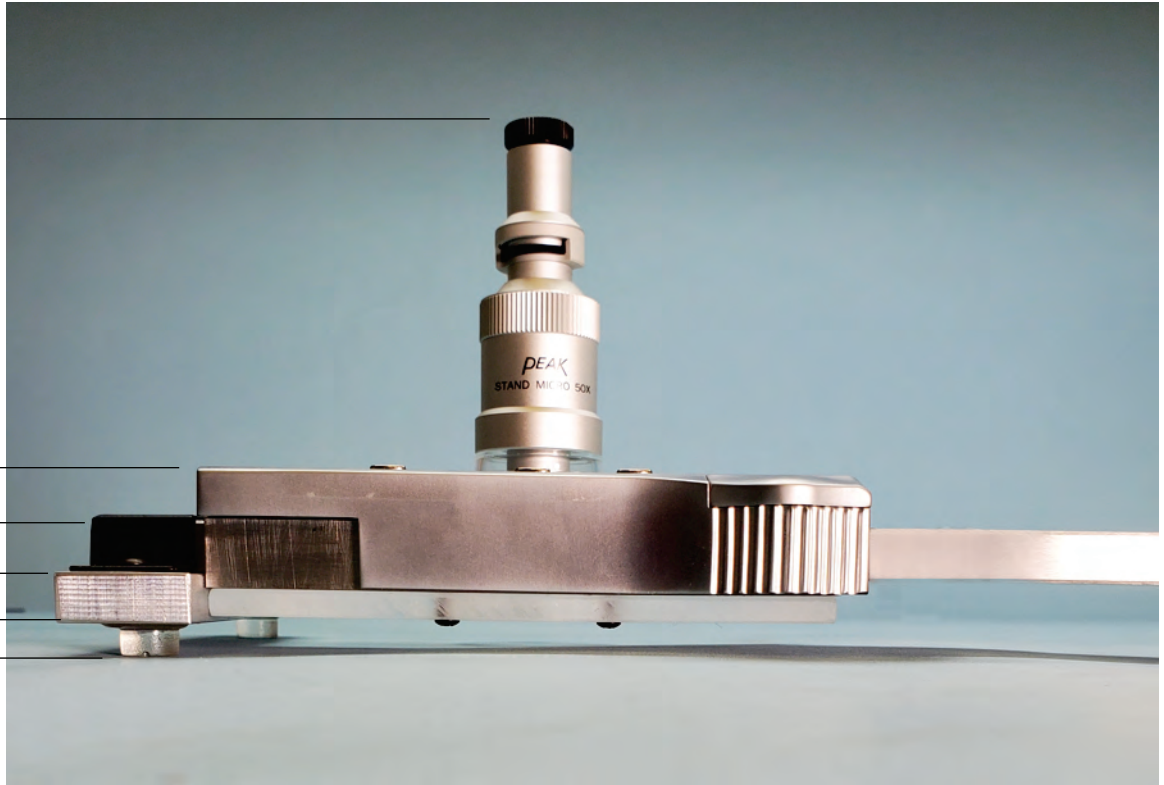
Alum. leg .625" / 1.587 cm

Rubber foot .250" / 0.635 cm

Sample plane 0.000

Not shown: - The distance
from the end of the
objective lens to the plane
of focus is approximately
0.48" / 1.219 cm

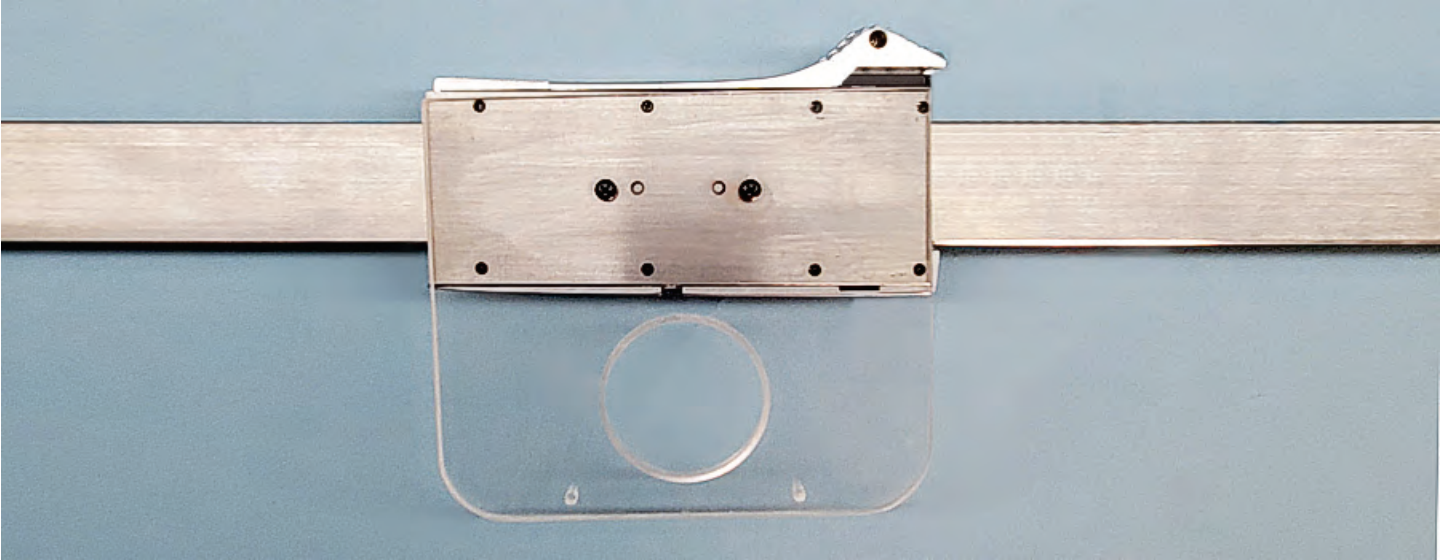
This will vary slightly
depending on the user's
vision and setting of the
main and reticle focus.



Microscope and slide assembly shown at the extreme left end of travel on the beam with the standard black strap clamps and aluminum legs installed.



Beta Precision Digital Electronic Ruler 16" / 406 mm Unit Dimensions & Specifications



Bottom view of the assembled slide and plexiglas microscope mounting plate. The microscope mounting plate hole is 1.564" / 3.972 cm with an internal groove to accept the 1.665" / 4.229 cm diameter microscope base.

