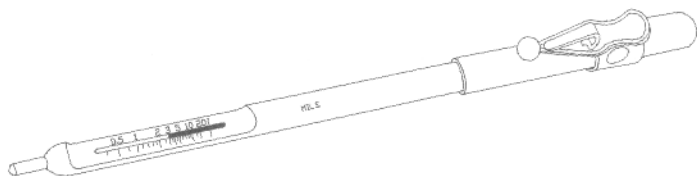


# PosiPen®

## COATING THICKNESS GAGE & FERRITE COMPARATOR



### INSTRUCTIONS

For measuring dry non-magnetic coatings on steel and the ferrite content in metal.

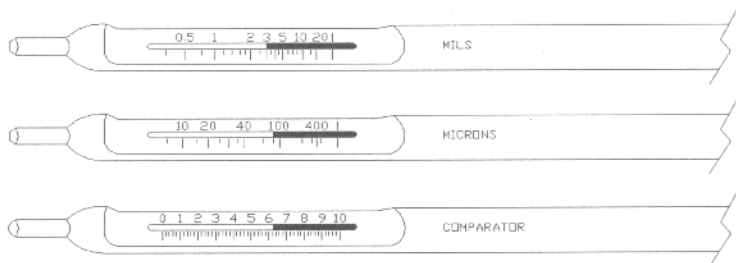
Range: 0.25 to 20 mils (inch scale) – all models

Tolerance:  $\pm 10\%$  and  $\pm 0.1$  mil

Range: 5 to 500 microns (metric scale) – models A and B only

Tolerance:  $\pm 10\%$  and  $\pm 2.5$  microns

Range: Linear Scale 0-10 units to compare Ferrite content to a known value – model C only.



### TEMPERATURE:

A *PosiPen* with red numerals is designed to measure on surfaces with extremes temperatures:

-150° F to +450° F / -100° C to +230° C.

## OPERATION:

Be sure the surface to be measured is clean and free from oil and grease. Hold the **PosiPen** at a right angle to the surface to be measured. Place the tip of the **PosiPen** on the coated surface and allow the magnet to contact.

Pull the **PosiPen** straight back from the object while keeping close watch on the appropriate indicator. Note the reading when the magnet releases. Repeat if necessary.

## INDICATORS:

The **PosiPen** compensates for gravity when measuring in different positions. When possible, hold the Gage horizontal, as for wall measurements.

1. Use the **red/silver** joining line when the Gage is horizontal. (**walls**)
2. Use the **green line** when the Gage is pointing straight down.  
(**green = ground**)
3. Use the **blue line** when the Gage is pointing straight up.  
(**blue = sky**)

## CALIBRATION:

The **PosiPen**, with its samarium cobalt magnet, is calibrated to National Institute of Standards and Technology calibration thickness standards. To verify gage accuracy, use only NIST-traceable thickness standards.

## CARE:

Always return the **PosiPen** to its pouch. Extend the magnet to remove debris with a cloth or dry paint brush.