

# PosiTector® 6000 FNGS Probe - Quick Start

The **PosiTector 6000 FNGS** coating thickness probe measures non-conductive coatings on metal substrates.

## IMPORTANT:

Depending on your substrate, a cal adjustment (Zero and 2-Point) may be required.

PosiTector 6000 FNGS Probe Specifications	
Measuring Range	0 - 2.5 inches ( 0 - 63.5 mm )
Accuracy	±(0.01 in. + 3%) ±(0.2 mm + 3%)
Min. Surface Area	7 x 7 in. (177 x 177 mm)
Min. Substrate Thickness	0.2 in. (5 mm)

**STEP A:** Hold the **PosiTector 6000 FNGS** probe in air, away from metal and power-up gage by pressing the center  navigation button.

**STEP B:** Measure the uncoated substrate. If the average of several readings is not within tolerance of "0", perform a Zero Adjustment.

**STEP C:** Zero Adjustment

- 1) Hold probe in the air and select **Zero** from the **Cal Settings** menu.
- 2) Measure the uncoated substrate.
- 3) Lift probe away from the metal substrate approximately 1 ft (30 cm).

**STEP D:** Measure reference samples of known thicknesses.

If the average of several readings is not within tolerance, perform a 2 Point Cal Adjustment.

**STEP E:** 2 Point Cal Adjustment

- 1) Choose a set of polystyrene blocks (included) or other reference samples of known thicknesses that bracket your expected coating thickness.
  - 1st block or set of stacked blocks should be below the expected minimum thickness.
  - 2nd block or set of stacked blocks should be above the expected maximum thickness.
- 2) Select **2 Pt Adjust** from the **Cal Settings** menu.
- 3) Measure the thinner block(s) when placed on the uncoated substrate.
- 4) Lift probe away from the metal substrate approximately 1 ft (30 cm).
- 5) Adjust the displayed reading up (+) or down (-) to the known thickness value of the block(s). Press  to accept this value.
- 6) Repeat steps 3 to 5 for the thicker block(s).

## Instructional Video

[defelsko.com/v/FNGS](http://defelsko.com/v/FNGS)

