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. (180 x 180 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

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