



### ***Zero – alignment without the support stand***

Because the readings are dependent on the substrate, geometry of the object to be measured and other influences, if a change in these conditions is made a zero alignment should be made with each different object to measure.

1. Function of the button  $\blacktriangle$  for zero-alignment within the menu  
--> SETUP --> Button  $\blacktriangle$  --> ZERO
2. Place the probe on the uncoated substrate
3. Press the  $\blacktriangle$  button
4. A value of the zero reference measurement signal will be displayed temporarily
5. On the display will be displayed 'Lift off probe'
6. Lift off the probe for approx 30 mm from the substrate
7. Reference signal for the 'infinite' thickness will be displayed.
8. Zero-alignment has been completed.

### ***Zero – alignment with the support stand***

1. Place the probe on the uncoated substrate.
2. Measurement of the zero reference on the uncoated substrate with the menu point:  
Calibration: ---> ZERO
3. Lift off the probe for approx. 30 mm from the substrate
4. Measurement of the reference signal for the 'infinite' thickness with the menu point: Calibration: ---> INFI
5. Zero-alignment has been completed

### ***Calibration with the probe with and without the support stand:***

The calibration of the magneto inductive probe is to be carried out in analogy to the previous probes. In any cases a calibration with one-point- or two-point-calibration is necessary before the measurement process.

--> Calibration --> Custom Calibration --> new Calibration -->  
--> input > name < OK --> [One Point] or [Two Point]

Apart from the enclosed calibration foils additional foils can be ordered.

order number	390013	390000	390001	390002	390003	390015	358142	390004	390008	390014
foil thickness / $\mu\text{m}$ *1)	6	11	25	50	100	125	250	350	500	foil thickness set C 6, 11, 25, 50 $\mu\text{m}$

\*1) Thicknesses of the calibration foils can slightly diverge from the stated thickness values in the table.

***Measuring the coating thickness by means of the probe switch***

Place the probe on a substrate to turn on the probe and take the measurement.

***Measuring the coating thickness without the means of the probe switch***

To be able to measure with the support stand please do the following:

Change the meaning of the button ▲ to take a measurement:

---> Setup ---> Button ▲ ---> Measure

After these changes, one can do measurements by means of the Button ▲

***Automation Fe-Standard  
for magneto inductive measuring probe ( MI Fe 500 μm )***

