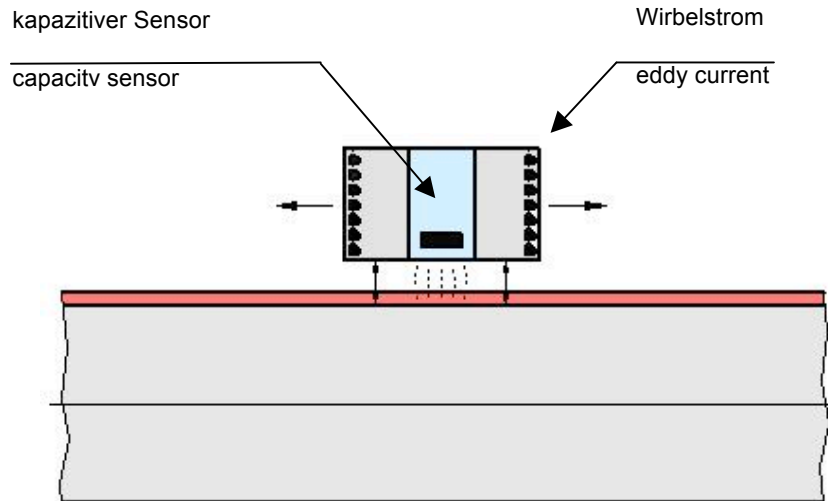


Kapazitiv/Wirbelstrom ----- capacitive / eddy current



indirect measurement (measurement of sheet property – calculation of thickness)
 capacitive sensor: measurement of property (capacity: depending on dielectric)
 eddy current sensor: measurement of distance (sensor – roller)

Measuring principle:

Non contact indirect thickness measurement.

The capacity between sensor and roll is measured, thickness is calculated (according calibration). Measured capacity depends on the distance sensor to roller, that's why this distance is measured permanently with an eddy current sensor (located together with capacitive sensor in same casing). With result of eddy current measurement the capacitive is corrected.

Measurement with: max. 3000 mm in steps of 500 mm (larger width: special execution)

Resolution: 0,1 μm

Measuring speed: 10 – 300 mm/s adjustable

Traversing speed: 10 – 500 mm/s adjustable

Accuracy: $\leq 0,1 \mu\text{m}$