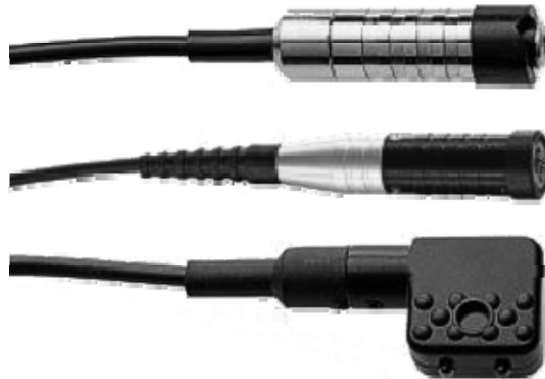


Interchangeable Probes for FMP Series Coating Thickness Gauges by Fischer Technology

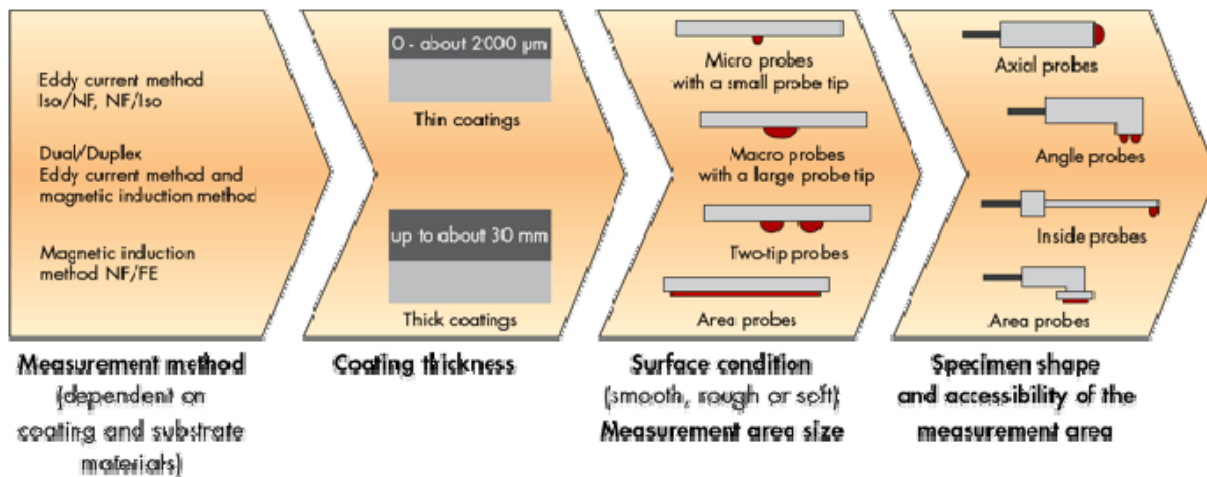


The quality of a coating thickness measurement depends on proper probe selection and the quality of the probe itself. Fischer Technology offers an unmatched variety of high-precision probes, all developed and manufactured in-house under the most stringent quality demands.






The coating/substrate material combination is decisive for selecting the appropriate probe. Important aspects for probe selection are the thicknesses of the coating and the substrate material, the measurement area, and the shape and surface condition of the specimen.

A curvature-compensated probe (eddy current method) is available for specimens with different curvatures. Two-tip probes offer more accurate results on rough surfaces. Each instrument of the FMP10, FMP20, FMP30 and FMP40 family can be individually adapted to your requirements simply by changing the probe, and it is therefore suited for solving the most diverse measuring applications.




The diagram below shows criteria for selecting the appropriate probe. The probe assortment includes over 100 measurement probes for the most diverse areas of applications. Please contact Corrosion Control Products Company to discuss your coating thickness measurement application.





Magnetic Induction Measurement Probes

Design	Application	Range	Part No.
	For electroplated coatings or paint and lacquer coatings.	0-2000 μm	FGAB1.3 604-141
	Ideal for measurements in boreholes, pipes or grooves application diameter ≥ 9 mm.	0-1600 μm	FGABI1.3-150 604-175
	For electroplated coatings, paint or lacquer coatings. Because of the large probe tip also suitable for rough surfaces.	0-1500 μm	FGA2H 604-174
	Two-tip probe for greater repeatability precision on rough surfaces. Allows for reliable positioning and constant pressure force, even on soft coatings.	0-2000 μm	V7FKB4 604-180
	Two-tip angle probe, particularly well-suited for thick coatings. Greater repeatability precision on rough surfaces than single-tip probes.	0-8 mm	FKB10 604-177

Eddy Current Measurement Probes

Design	Application	Range	Part No.
	Best suited for paint, lacquer or plastic coatings on non-ferromagnetic metal substrate materials.	0-1200 μm	FTA3.3H 604-142
	Angle probe for measurements on flat specimens or in pipes, boreholes and interim spaces.	0-1200 μm	FAW3.3 604-1
	Because of the excellent (patented) curvature compensation ideally suited for measurements on paint, lacquer, anodic and plastic coatings on curved NF surfaces.	0-800 μm	FTD3.3 604-189

Dual / Duplex Measurement Probes

Design	Application	Range	Part No.
	Smaller diameter. For electroplated coatings or paint and lacquer coatings.	NF/Fe 0-1300 μm Iso/NF 0-800 μm	FD10 604-143
	For normal measurements applications	0 – 2000 μm	FD13 604-169