



Probe model	V3FGA06H	
Part no.	V3FGA06H	604-517

Applications Measures nonmetallic (NC) and nonferrous coatings (NF) on steel or iron substrates (Fe). Special probe with flexible measuring head and 3 point support for measurement in cavities. Best suited for automotive industry for measuring of KTL coatings (typical below 25 µm including Zn coating) within the holms of car bodies. Less recommended for very rough surfaces.

The values for accuracy and measurement errors are valid for electrically non-conductive coating materials on steel or iron (NC/Fe). The values may differ for measurements on non-ferrous metal coating materials (NF).

Probe design Probe with fixed measuring system in flexible measuring head with 3 point support

Measuring application NC/Fe or NF/Fe

Measuring range 0 - 350 µm

Accuracy
 0 - 50 µm: ± 0.5 µm
 50 - 200 µm: ± 1 % of value
 200 - 350 µm: ≤ 4 % of value

Precision
 0 - 50 µm: 0.25 µm
 50 - 350 µm: ≤ 0.5 % of value

The following values for measurement errors are valid for a substrate thickness of 25 µm

	Measurement error -8 % for Ø Probe needs a minimum of Ø	40 mm 40 mm
	Measurement error 5 % for Ø Probe needs a minimum of Ø	32 mm 32 mm
	No measurement error for Ø Probe needs a minimum of Ø	13 mm 13 mm
	Meas. error 10% for a edge distance of 0.5 mm	
	Meas. error 10% for a substrate thickness of 0.3 mm	

Temperature - 10 °C ... +40 °C ambient temperature

Probe tip material Hard metal

Probe tip replaceable No

Height 60 mm

Width 12 mm

Length 260 mm

Works with the instruments FMP10/20/30/40/100 (not ISOSCOPE®),
 MMS® PC2 & F-Module PERMASCOPE®