



Robust construction
+
FN-combination
probe within a very
small space
+
Encapsulated
sensor head

TUBE PROBE FN1.5/90°

We offer a newly developed tube probe for layer thickness measurements in bores, tubes and grooves.n.

Based on our tried and tested FN1.5/90°-probe, both the probe head and the shaft have been redeveloped. This new development led to a more robust probe with improved suspension of the probe head. With this probe, coating thickness measurements on difficult-to-access areas are possible with a high measuring accuracy as well.

Designed as a combination probe, it can measure on steel/iron as well as on non-ferrous metals (e.g. aluminium). The measuring range for both base materials is 0 – 1,500 µm, as for our standard probes.

The newly developed, deflecting suspension of the sensor head results in a very small measuring uncertainty and high reproducibility of measurement values.

Measuring range	0 – 1,500 µm
Measuring uncertainty	
- with works calibration	±3 µm oder 3% of reading whichever is greater
- with zero calibration	±(1 µm +2% of reading)
- with foil calibration	±(1 µm +1% of reading)
Temperature range	0 °C to 60 °C
Dimensions	8 mm x 11 mm x 170 mm
Minimal tube diameter	appr. 13 mm
Depth of immersion (length)	max. 165 mm
Cable length	1 m
Weight	approx. 87 g

Special features

- Novel, robust construction of sensor head and spring element
- Newly developed probe head out of one piece
- Completely encapsulated sensor head for perfect protection of the sensitive coil system
- Modern design with chrome-plated grip
- Deflecting sensor guide
- FN-combination probe for very small spaces