

Universal Coating Thickness Gauge with separate exchangeable probes

The Surfix® S - Series is a compact, lightweight, multifunctional fully menu driven coating thickness gauge for fast, precise, non-destructive coating thickness measurement for varnish, paint and electroplated coatings on iron/steel and varnish, paint and anodizing coatings on non-ferrous metals and on austenitic stainless steels.

2 Models: Surfix® S and Surfix® S - basic
 basic: no memory, statistics, limits, IR-interface

8 Probes: Wide range of probes for universal and special measurement tasks

Measuring Range: 0 - 10 mm (0 - 400 mils)

Online Statistics Display: Up to 10000 readings are statistically evaluated - Number of readings, mean value, standard deviation, maximum and minimum reading



All separate exchangeable probes are machined to ultra-high standards and utilize a unique, hard-metal probe tip which prevents probe wear. The V-notched foot of the standard probes provides a stable footing on small cylindrical parts. It can be removed to expose a "micro-probe" sensor perfect to measure on small measuring areas and in cavities.

Features

- Innovative and user-friendly measuring techniques
- Online statistics with all available statistical parameters
- Data transfer to printer or PC via an infrared interface
- The Surfix® S - Series identifies the substrate and activates the appropriate measuring procedure
- Menu in a choice of different languages ensures easy operation
- The uniform contact pressure of the sensor is minimized, preventing scratches & indentations to sensitive surfaces
- Optional high temperature footer for measuring on surfaces up to 150 °C (302 °F)
- Manufacturer's Certificate and one year warranty included



Test Stand (optional)




- Designed for smooth, repeatable measurements for coating thickness applications
- Spring-loaded lever for fast, precise travel
- Compact size and light weight makes it the ideal test stand for all workplaces



Specifications Surfix® S for FN 1.5 probe

- Measuring principle:** Magnetic induction principle (Ferrous)
Eddy-current principle (Non-Ferrous)
- Range:** 0 – 1500 µm (0 – 60 mils)
- Accuracy:** ± (1 µm / 0.04 mils +1% of reading)
- Resolution:** 0.1 µm / 0.004 mils or < 0.2% of reading
- Display:** Backlight, 4-digit alphanumeric., height 10 mm (0.4 ")
- Min. Measuring Area:** 5 mm x 5 mm (0.2 " x 0.2 ")
- Min. Curvature Radius:** Convex : 1.5 mm (0.06 ")
Concave : 5 mm (0.2 ")
- Min. Substrate Thickness:** Ferrous: 0.2 mm / 8 mils
Non-Ferrous: 50 µm / 2 mils
- Calibration:** Factory-, zero- and foil calibration
offset-function: addition/subtract. of a const. value
- Memory:** max. 200 readings
- Statistics Program:** Number of readings, mean value, stand. deviation, max. and min. reading
- Data Output:** Infrared interface
- Operating Temp.:** 0 °C – 50 °C / 32 °F – 122 °F
- Surface Temp.:** -15 °C – 60 °C / 5 °F – 140 °F (standard)
-15 °C – 150 °C / 5 °F – 302 °F (w/opt. foot)
- Power:** 2 AA, 1.5V
- Dimensions:** 137 mm x 66 mm x 23 mm (5.4" x 2.6" x 0.9")
- Weight:** 225 g (8 oz) incl. FN1.5 probe + batteries
- Protection Class:** IP 52 (proof against dust and dripping water)
- Standards:** DIN, ISO, ASTM, BS

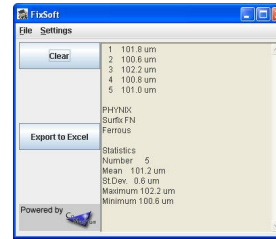
Coating Thickness Probes

Type	Measuring Range	Style
FN 1.5	0 – 1500 µm (0 – 60 mils)	
F 1.5	0 – 1500 µm (0 – 60 mils)	
N 1.5	0 – 1500 µm (0 – 60 mils)	
FN 0.2	0 – 200 µm (0 – 8 mils)	
FN 3.5	0 – 3500/3000 µm (0 – 140/120 mils)	
F 3.5	0 – 3500 µm (0 – 140 mils)	
F 10	0 – 10 mm (0 – 400 mils)	
FN/90°	0 – 1500 µm (0 – 60 mils)	



Printer PrintFix (optional)

Portable thermal-printer with an integrated infrared interface for wireless data transfer. It can print values stored in the Surfix® S gauge quickly and reliably locally or later in the office.



Software FixSoft (optional)

Transfer program for Surfix® S gauge. The measurement values are transferred in a pre-compiled template for spreadsheet programs together with a histogram and a trend presentation.



Delivery schedule Surfix® S with e.g. probe FN 1.5: Gauge incl. probe, 2 calibration foils, ferrous and non-ferrous zero plate, 2 AA batteries, manual and manufacturer's certificate all in a rugged plastic carrying case. Delivery schedule varies depending on the probe. Carrying pouch optional.



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