

Portable Coating Thickness Gauge with integrated probe

The Pocket-Surfix® - 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.

6 Models: Pocket-Surfix® FN Pocket-Surfix® FN basic
 Pocket-Surfix® F Pocket-Surfix® F basic
 Pocket-Surfix® N Pocket-Surfix® N basic
 basic: without memory, statistics, limit values, IR-interface

1 Probe: integrated probe

Measuring Range: 0 – 1500 µm (0 – 60 mils)

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

The integrated probe is machined to ultra-high standards and utilizes a unique, hard-metal probe tip which prevents probe wear. The V-notched foot of the probe provides a stable footing on flat as well as cylindrical and curved surfaces.



Features

- Innovative and user-friendly measuring techniques
- Online statistics with all common statistical parameters
- Data transfer to printer or PC via an infrared interface
- The Pocket-Surfix® FN automatically 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
- Simple verification of zinc coatings under the paintwork of car bodies with the Pocket-Surfix® FN
- Manufacturer's Certificate and one year warranty included

Surface Inspection with the Pocket-Surfix® FN



Specifications Pocket-Surfix® for FN version

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 ")

Calibration: Factory – , zero – and foil calibration
offset-function: addition/subtract. of a const. value

Memory: max. 80 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

Power: 2 AAA, 1.5V

Dimensions: 107 mm x 50 mm x 25 mm (4.2" x 2" x 1")

Weight: 90 g (3.2 oz) incl. batteries

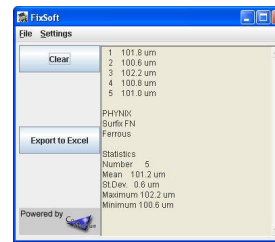
Protection Class: IP 52 (proof against dust and dripping water)

Standards: DIN, ISO, ASTM, BS



Printer PrintFix (optional)

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



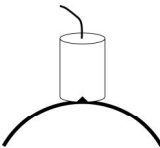
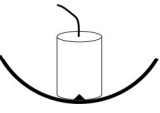
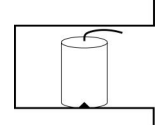

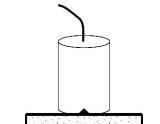
Software FixSoft (optional)

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



Delivery schedule Pocket-Surfix® for FN version:
Gauge incl. probe, 2 calibration foils, ferrous and non-ferrous zero plate, 2 AAA batteries, carrying pouch, manual and manufacturer's certificate.

Measuring Limits

	Minimum radius for convex surfaces	1.5 mm (0.06")
	Minimum radius for concave surfaces	50 mm (2")
	Minimum headroom	125 mm (5")
	Measuring area	10 mm x 10 mm (0.4" x 0.4")
	Minimum substrate thickness – F	0.5 mm (20 mils)
	Minimum substrate thickness – N	50 µm (2 mils)

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