

Pocket-Surfix® Series

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

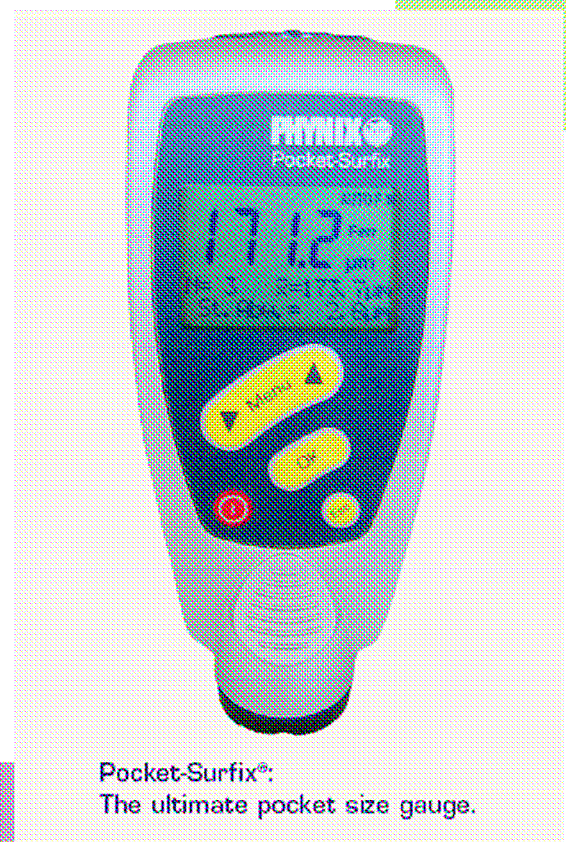
1 Probe: Integrated probe

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

Probe

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.



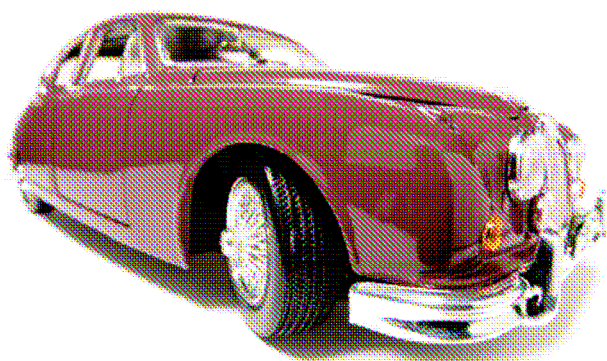
Pocket-Surfix®:
The ultimate pocket size gauge.

Features

- Innovative and user-friendly measuring techniques
- Online statistics with all common 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

Application

Surface inspection with the coating thickness gauge Pocket-Surfix® FN



Specifications

for Pocket-Surfix® with FN probe

Measuring principle:

Magnetic induction principle (F-Mode) for ferrous metals
Eddy-current principle (N-Mode) for non-ferrous metals
FN-Mode for all metals

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/subtraction of a constant value

Memory:

Max. 80 readings

Statistics Program:

Number of readings, mean value, standard deviation,
maximum and minimal reading (up to 10000 readings)

Data Output:

Infrared interface

Operating Temperature:

0 °C to +50 °C / 32 °F to 122 °F

Surface Temperature:

-15 °C to +60 °C / 5 °F to 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

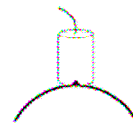
Protection Class:

IP 52 (proof against dust and dripping water)

Standards:

DIN, ISO, ASTM, BS

Measuring Limits



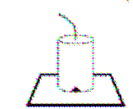
Minimum Radius
for Convex Surfaces 1.5 mm (0.06")



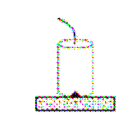
Minimum Radius
for Concave Surfaces 50 mm (2")



Minimum Headroom 125 mm (5")



Minimum
Measuring Area 10 mm x 10 mm
(0.4" x 0.4")



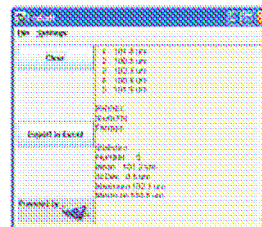
Minimum Substrate
Thickness – F 0.2 mm (8 mils)
Minimum Substrate
Thickness – N 50 µm (2 mils)

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.



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