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.

<table>
<thead>
<tr>
<th>6 Models:</th>
<th>Pocket-Surfix® FN</th>
<th>Pocket-Surfix® FN basic</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Pocket-Surfix® F</td>
<td>Pocket-Surfix® F basic</td>
</tr>
<tr>
<td></td>
<td>Pocket-Surfix® N</td>
<td>Pocket-Surfix® N basic</td>
</tr>
<tr>
<td>basic:</td>
<td></td>
<td>without memory, statistics, limit values, IR-interface</td>
</tr>
<tr>
<td>1 Probe:</td>
<td>Integrated probe</td>
<td></td>
</tr>
<tr>
<td>Measuring Range:</td>
<td>0 – 1500 µm (0 – 60 mils)</td>
<td></td>
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</tbody>
</table>

**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.

**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

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PHYNIX
Physikalische Oberflächen-Messtechnik
Physical Surface Testing Technology
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, 1.5 V

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

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Radius for Convex Surfaces</td>
<td>1.5 mm (0.06 “)</td>
</tr>
<tr>
<td>Minimum Radius for Concave Surfaces</td>
<td>50 mm (2 “)</td>
</tr>
<tr>
<td>Minimum Headroom</td>
<td>125 mm (5 “)</td>
</tr>
<tr>
<td>Minimum Measuring Area</td>
<td>10 mm x 10 mm (0.4 “ x 0.4 “)</td>
</tr>
<tr>
<td>Minimum Substrate Thickness – F</td>
<td>0.2 mm (8 mils)</td>
</tr>
<tr>
<td>Minimum Substrate Thickness – N</td>
<td>50 µm (2 mils)</td>
</tr>
</tbody>
</table>

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.

Specifications subject to change without notice

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