POCKET-SURFIX® X-SERIES
Portable Coating Thickness Measurement Gauge

Area of operation and application
The Pocket-Surfix® X-Series coating thickness gauges are portable gauges enabling quick, reliable and precise coating thickness measurement of varnish, paints and electroplated coatings on iron/steel or non-ferrous metals.

The coating thickness gauges are particularly handy thanks to an integrated probe. The measuring probe has a highly wear-resistant measuring tip made of carbide metal and thus guarantees a very long lifetime. A plastic foot with large footprint and V-groove ensures vertical positioning on level, cylindrical and curved surfaces.

The bright LED backlight enables easy reading of measured values even under difficult conditions. All Pocket-Surfix® X-Series devices have a data memory and can be connected to a PC via a USB 2.0 connection.

Advantages at a glance
+ Innovative and user-friendly measurement technology: simply switch on and measure
+ Online statistics for all required parameters
+ Data memory
+ Intuitive menu prompting in a freely selectable language
+ LED backlight display for easy reading in dark environments
+ Data-transfer to PC via USB 2.0 connection
+ Pocket-Surfix® X-FN: automatic detection of base material (ferrous / non-ferrous)
+ Low probe tip pressure avoids scratches and indents on sensitive surfaces
+ Incl. data-transfer software PHYNIX.connect
+ Comes with manufacturer’s certificate and a two year warranty

The integrated probe and the compact size allow one-hand operation and make the Pocket Surfix® X ideal for mobile use in the workshop, production or inspection areas.

The gauges of the Pocket-Surfix® X-series are used in fields like:
- Electroplating
- Paint shops
- Car industry
- Chemical industry
- Aerospace
- Shipbuilding

www.phynix.com
**Pocket-Surfix® X**

Pocket-Surfix® X is available in three versions:

- **Pocket-Surfix® X-FN**: for measurements on iron/steel and non-ferrous metals
- **Pocket-Surfix® X-F**: for measurements on iron/steel
- **Pocket-Surfix® X-N**: for measurements on non-ferrous metals

### Technical data

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Pocket-Surfix® X-FN</th>
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<tbody>
<tr>
<td><strong>Method of measurement</strong></td>
<td>F-Mode (magnetic-inductive method) for iron and steel</td>
</tr>
<tr>
<td><strong>Measurement range</strong></td>
<td>0 – 1,500 µm</td>
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<tr>
<td><strong>Accuracy</strong></td>
<td>± (1 µm + 1 % of reading)</td>
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<tr>
<td><strong>Resolution</strong></td>
<td>0.1 µm or &lt; 0.2 % of reading</td>
</tr>
<tr>
<td><strong>Display</strong></td>
<td>LED-Backlight, 4 digit, alphanumeric, digit height 8 mm</td>
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<tr>
<td><strong>Calibration method</strong></td>
<td>Works calibration, zero and foil calibration</td>
</tr>
<tr>
<td><strong>Data Memory</strong></td>
<td>max. 80 readings</td>
</tr>
<tr>
<td><strong>Statistics</strong></td>
<td>Number of readings, mean value, standard deviation, max. and min. reading</td>
</tr>
<tr>
<td><strong>Interface</strong></td>
<td>USB 2.0-connection</td>
</tr>
<tr>
<td><strong>Operating temperature</strong></td>
<td>0 °C to +60 °C</td>
</tr>
<tr>
<td><strong>Surface temperature</strong></td>
<td>-15 °C to +60 °C</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>110 mm x 50 mm x 25 mm</td>
</tr>
<tr>
<td><strong>Weight</strong></td>
<td>90 g, incl. batteries</td>
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<tr>
<td><strong>Protection class</strong></td>
<td>IP 52 (protection against dust and dripping water)</td>
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<tr>
<td><strong>Standards</strong></td>
<td>DIN, ISO, ASTM, BS</td>
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### Limit values

- Smallest curvature radius for convex surfaces: 1.5 mm
- Smallest curvature radius for concave surfaces: 50 mm
- Smallest operation height: 125 mm
- Smallest measurement area: 10 mm x 10 mm
- Smallest base material thickness – F: 0.2 mm
- Smallest base material thickness – N: 50 µm

### Delivery Content

- Gauge including probe
- Rubber sleeve
- 2 calibration foils (steel/aluminium)
- 2 batteries AAA
- Operating manual
- Data transfer software PYHNIX.connect
- Manufacturer’s certificate
- Case