PHYNIX

POCKET-SURFIX® SERIES

Portable coating thickness gauge: A mobile gauge, fitting neatly in your pocket

Area of operation and application

Gauges belonging to the Pocket Surfix® series are mobile sized measurement gauges enabling quick, reliable and precise coating thickness measurements of varnish, paint and electroplated coatings on iron/steel and varnish, paint, anodic coatings on non-ferrous metals and austenitic stainless steel.

The integrated probe has an almost unlimited life thanks to its measurement tip made of highly wear-resistive carbide metal. A plastic foot with large positioning area and V-groove enable vertical positioning on level, cylindrical and curved surfaces.

These gauges are of particular interest to users with well defined measurement applications owing to their integrated probes and are, amongst others, well suited for the following areas of application:

- Electroplating
- Paint shops
- Car industry
- Chemical industry
- Aerospace technology
- Shipbuilding

Advantages at a glance

+ A measurement technology which is both innovative and user-friendly: simply switch on and measure
+ Online statistics for all required parameters
+ Data transfer to printers or PCs via infrared interface
+ The combination gauge Pocket-Surfix® FN automatically detects the basic material and activates the required measurement mode of operation
+ Intuitive menu prompting in dialog with the user in a freely selectable language
+ The low probe tip pressure avoids scratches and indents on sensitive surfaces
+ Easy detection of zinc layers under paint coatings with the Pocket-Surfix® FN
+ Comes with manufacturer's certificate and a two-year warranty

All Pocket-Surfix® FN series gauges have a large memory, statistic functions and data transfer via infrared. This makes the gauges universal measurement instruments having easy operation and achieving the highest degree of accuracy.

POCKET-SURFIX®

Pocket-Surfix® is available in six variations:

Pocket-Surfix® FN / Pocket-Surfix® FN basic*
Pocket-Surfix® F / Pocket-Surfix® F basic*
Pocket-Surfix® N / Pocket-Surfix® N basic*

Technical data	Pocket-Surfix® FN
Method of measurement	F-Mode (magentic-inductive method) for iron and steel N-Mode (eddy current method) for non-ferrous metals
Measurement range	0 – 1,500 µm
Accuracy	± (1 µm + 1 % of measurement reading)
Resolution	0.1 µm or < 0.2 % of measurement reading)
Display	Backlight, 4 digit, alphanumeric, digit height: 10 mm
Calibration method	Works calibration, zero and foil calibration Zero-offset: addition or subtraction of a constant value
Memory	Maximum of 80 readings
Statistics	Number of measurement readings, average value, standard deviation, max. and min. measurement reading
Interface	Infrared
Operating temperature	0 °C to +60 °C
Surface temperature	–15 °C to +60 °C
Dimensions	110 mm x 50 mm x 25 mm
Weight	90 g, including batteries
Protection class	IP 52 (protection against dust and dripping water)
Standards	DIN, ISO, ASTM, BS

* without memory, statistics, limit values, interface, backlight

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

Standard package

- Gauge including probe
- Rubber sleeve
- 2 calibration foils (steel/aluminium)
- 2 batteries AAA
- Operating manual
- Manufacturer's certificate
- Case

Additional options

- Portable thermo paper printer Printfix
- Software: FixSoft
- Soft bag

www.phynix.com

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