

- + Intuitive menu navigation
- + LED-Backlight
- + USB 2.0-connection

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.

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.

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 gauges of the Pocket-Surfix® X-series are used in fields like:

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

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	Pocket-Surfix® X
Method of measurement	F-Mode (magnetic-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 reading)
Resolution	0.1 µm or < 0.2 % of reading
Display	LED-Backlight, 4 digit, alphanumeric, digit height 8 mm
Calibration method	Works calibration, zero and foil calibration Zero-offset: addition or subtraction of a constant value
Data Memory	max. 80 readings
Statistics	Number of readings, mean value, standard deviation, max. and min. reading
Interface	USB 2.0-connection
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, incl. batteries
Protection class	IP 52 (protection against dust and dripping water)
Standards	DIN, ISO, ASTM, BS

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