



## SURFIX<sup>®</sup> PRO X

Our top model includes many features to meet the high demands on modern coating thickness gauges

### Areas of operation and application:

The most striking feature of our top model SurfFix<sup>®</sup> Pro X is the high resolution color graphic display. The high-contrast and bright display allows a reliable reading of measurements from a distance or in the dark. The graphic display allows a quick on-site data analysis directly after the measurement. The intuitive, multilingual user interface prevents operating error without any need to use the operating manual.

The project „Industry 4.0“ which demands improved networking of measuring instruments and production control is supported by the integration of two interfaces: Bluetooth 4.0 and USB 2.0. The standard interfaces help to easily integrate the SurfFix<sup>®</sup> Pro X in a fully networked production environment. SurfFix<sup>®</sup> Pro X can be operated with batteries, rechargeable batteries or via the USB connection (USB power supply unit).

The gauge also has a very large data memory for up to 100,000 readings. For easier handling, the readings can be organized into files with arbitrary file names.

Together with our exchangeable probes the SurfFix<sup>®</sup> Pro X provides highest precision combined with ease of use for almost all applications.

All our measurement probes are equipped with a highly wear-free tip made of carbide metal thus having an almost unlimited life span.

### Surfix<sup>®</sup> Pro X gauges are used in the following fields:

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

### Advantages at a glance:

- + High resolution color graphic display
- + Graphical data analysis (histogram, trend)
- + Data transfer with USB or Bluetooth 4.0
- + Innovative and user-friendly measurement technology
- + Automatic base material recognition
- + Large data memory for up to 100,000 readings and up to 1,000 individual calibrations
- + Free choice of filenames
- + Online statistics of all common parameters
- + Statistical evaluation according to SSPC PA2 and 90/10-rule
- + Intuitive menu navigation in many languages, e. g. English, French, Chinese, Spanish etc.
- + Scan mode for continuous measurements
- + USB battery charging
- + Optional plastic foot for measurements up to 150 °C or 300 °C
- + Manufacturer's certificate
- + 2 years warranty

# SURFIX® PRO X

Combined with our exchangeable probes Surfix® Pro X offers at the same time highest precision and easy-to-use features for nearly all possible applications.

Technical data	Surfix® Pro X
Design	separate, exchangeable probe
Probes	according to PHYNIX probe program, consisting of standard probes, angle probes and special probes (see probe brochure)
Measurement range	depending on probe up to 30 mm
Accuracy	depending on probe up to +/- (0.7 µm + 1 % of reading)
Resolution	0.1 µm or < 0.2 % of reading
Carbide metal tip	yes
Calibration methods	works calibration, zero, one-foil, two-foil and CTC-calibration
Statistics	single-value/block-value statistics: n, $\bar{x}$ , s, min., max., Kvar, cp, cpk, SSPC PA2, 90/10
Graphical data analysis	Chart (Trend), Histogram
Memory	up to 100,000 readings in direct- and data-memory; free choice of file names
Calibration memory	up to 1,000 individual calibrations
Data transfer	USB 2.0/Bluetooth 4.0
Continuous measurement	3 readings per second
Display	high-resolution colour display
Operating temperature	0 °C to + 60 °C
Surface temperature	-15 °C up to + 60 °C (standard) -15 °C up to + 150 °C or 300 °C (with optional high temperature foot)
Dimensions	137 mm x 66 mm x 23 mm
Weight	223 g (incl. FN probe 1.5 and batteries), 148 g (gauge only)
Power supply	2 batteries AA 2 NiMH rechargeable batteries AA (quick-charge-compatible) USB connection (USB2.0)
Protection class	IP 52 (protection against dust and dripping water)
Standards	DIN, ISO, ASTM, BS
Warranty	2 years
Menu	multi-language menu-structure (English, German, French, Chinese ...)

## Example of standard package

- Gauge incl. probe
- Protective rubber-cover
- 2 calibration foils
- Zero standard(s) (steel/aluminium)
- USB cable
- 2 batteries AA
- PHYNIX.connect transfer software
- Operating manual
- Manufacturer's certificate
- Case

## Additional options

- Probes according to PHYNIX delivery program
- Probe guide for precision measurements on small parts
- Calibration standards
- NiMH batteries, rechargeable via USB connection
- High temperature probe feet