+ Color graphic display

+ Data memory for up to 100.000 readings

+ Bluetooth 4.0 and USB

SURFIX®
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 Surfix® 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 Surfix® Pro X in a fully networked production environment.

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

Together with our exchangeable probes the Surfix® 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® Pro X gauges are used in the following fields:

+ Electroplating
+ Paint shops
+ Car industry
+ Chemical industry
+ Aerospace
+ Shipbuilding
+ Tyre manufacturing industry

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
+ Automatic adjustment of the required measurement mode of operation
+ 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
+ Intuitive menu navigation in many languages, e. g. English, French, Chinese, Spanish etc.
+ Scan mode for continuous measurements
+ Optional plastic foot for measurements up to 150 °C or 300 °C
+ Manufacturer's certificate
+ 2 years warranty

BY EXPERTS FOR EXPERTS
COATING THICKNESS MEASUREMENT · CROSS HATCH CUTTING

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	FN 1.5 optional all standard probes, angled probes and special probes (see separate 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
Graphical data analysis	Chart (Trend), Histogram
Memory	up to 100,000 readings in direct- and data-memory; free choice 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)
Protection class	IP 52 (protection against dust and dripping water)
Standards	DIN, ISO, ASTM, BS
Warranty	2 years
Menu	multi-language menu-stucture (English, German, French, Chinese …)

Example of standard package

- Gauge incl. probe
- Protective rubber-cover
- 2 calibration foils
- Zero standard(s) (steel/aluminium)
- 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
- High temperature probe feet