PHYNIX SENSORTECHNIK



SURFIX®EASY X Bluetooth

Smart coating thickness gauge with wireless data interface

Area of operation and application

The new Surfix® easy X Bluetooth is the latest member of our well-known Surfix® easy family. It is equipped with a Bluetooth module and can therefore be used as coating thickness sensor with connection to a smartphone or a computer.

In addition to the familiar capabilities of the Surfix® easy X – such as statistics, zeroing, and switching between µm and mils – it can now be used in conjunction with the new PHYNIX App to transmit measurement data in real time to a connected device, where the data can be saved, analyzed, or shared. The PHYNIX App is available for both Android and Windows and can be downloaded free of charge from our website. Integrated keyboard emulation allows for easy integration of the coating thickness measurement into quality assurance or ERP software.

The Surfix® easy X Bluetooth models are available with either an internal or external probe but come exclusively with the FN combination probe and an improved resolution of 0.1 µm, ensuring a single device meets all requirements.

Like all other Surfix® easy X gauges, the Surfix® easy X Bluetooth is mainly used in the following fields:

- Paint shops
- Paint coatings and powder coating technology
- Automotive assessment and in car workshops
- Steel construction, car manufacturing and shipbuilding
- Incoming goods department
- During the production process
- Final inspection and quality assurance
- Laboratories

The hard metal tip of the probe is highly resistant to wear, and its plastic probe foot is designed with a V-groove thus enabling stable vertical positioning on level, cylindrical or curved surfaces.

Advantages at a glance

+ Innovative and user-friendly technology: just switch on and measure
+ High measuring accuracy and resolution
+ Hard metal pole tip
+ Measurement on flat, rough and curved surfaces
+ Calibration-free measuring on standard geometries
+ Zero calibration function for demanding measurement applications
+ Automatic recognition of the base material
+ Backlit display for easy viewing in dark environments
+ Easy detection of zinc layers under coating
+ Online statistics (n, $\bar{x}$, s, min, max)
+ Large probe foot for stable positioning
+ Acoustic signal when a reading is recorded
+ Switchable unit µm/mils
+ Manufacturer's certificate
+ With integrated or external probe
+ 2-year warranty

SURFIX® EASY X Bluetooth

The Surfix® easy X Bluetooth is available in two versions:

Surfix® easy X I Bluetooth: a compact gauge with integrated FN probe which fits in nearly every pocket.
Surfix® easy X E Bluetooth: a gauge with external, fixed FN probe enabling measurement to be made in difficult-to-access positions.

Both gauges enable easy and precise coating thickness measurement on steel and non-ferrous metals.

Technical data	Surfix® easy X Bluetooth
Versions	Surfix® easy X I Bluetooth with integrated probe Surfix® easy X E Bluetooth with external, fixed probe
Measurement range	0 – 3,000 µm
Accuracy	± 2 µm or 2 % of reading
Resolution	up to 0.1 µm
Hard metal pole tip	yes
Calibration	factory calibration, zero calibration
Statistics	N, x̄, s, min., max.
Display	backlit, 4-digit, alphanumeric, height 8 mm
Operating temperature	0 °C to + 60 °C
Surface temperature	–15 °C to + 60 °C
Dimensions of gauge	110 mm x 50 mm x 25 mm
Dimensions of external probe	Ø 24 mm x 45 mm
Weight (incl. batteries)	90 g (easy X I Bluetooth) 140 g (easy X E Bluetooth)
Protection class	IP 52
Standards	DIN, ISO, ASTM, BS
Warranty	2 years



Download the App

PHYNIX App for Windows and Android

The PHYNIX App transfers measurement data in real time to a connected device, where the data can be saved, analyzed and shared. The App is available for Windows and Android and can be downloaded free of charge from the PHYNIX website.

Clear measurement lists, statistics and chart displays support efficient data management. Integrated keyboard emulation enables easy integration into existing quality assurance and ERP systems.

Scope of delivery

- Gauge including probe
- Rubber protection sleeve
- 1 foil standard
- 2 zero standards (steel/aluminium)
- 2 batteries AAA
- Operating manual (GER, EN, CHIN)
- Manufacturer's certificate
- Case

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