PHYNIX

SURFIX® SERIES PRECISION MEASUREMENT GAUGES

Quick, reliable and precise coating thickness measurement of varnish, paint and electroplated as well as anodized coatings on iron/steel and non-ferrous metals

Area of operation and application

Our top-of-the-range gauge Surfix® Pro S can be connected to different probes suited for numerous coating thickness measurements.

It has a large memory for measurement readings, statistic functions, infrared data transfer and five different methods of calibration.

Our universal gauge Surfix® S also has a wide range of applications owing to the many different probes which can be connected. Its capabilities in the field of data transfer, the easy operation and the high accuracy serve to make it a universal measurement gauge.

Our standard gauge Surfix® with fixed probe is of special interest for tasks involving predetermined measurement applications.

Amongst other tasks, our Surfix® gauges are used in the following fields:

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

Advantages at a glance

+ Measurement technology which is both innovative and user-friendly
+ Automatic base material recognition
+ Automatic adjustment of the required measurement mode of operation
+ Large memory for 10,000 measurement readings (Surfix® Pro S) resp. 200 measurement readings (Surfix® S, Surfix® E)
+ Management of alphanumeric file names (Surfix® Pro S)
+ Online statistics of all required parameters
+ Data transfer to printer and PC via infrared interface
+ Intuitive menu prompting with selectable language
+ Scan mode for continuous measurements (Surfix® Pro S)
+ Optional plastic foot for measurements up to 150 °C or 300 °C
+ Manufacturer's certificate
+ 2 years warranty

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

SURFIX® SERIES

Surfix® series is available in six versions:

Surfix® Pro S / Surfix® Pro S-CT | Surfix® S / Surfix® S basic* | Surfix® E / Surfix® E basic*

Due to their exchangeable or fixed probes, Surfix® gauges enable almost unlimited operational possibilities at constant high precision.

Technical data	Surfix® Pro S	Surfix® S	Surfix® E
Design	Separate, exchangeable probe		external, fixed probe
Probes	FN 1.5, optional standard probes, angled probes and special probes (refer to probe brochure)		FN 1.5, F 1.5, N 1.5
Measurement range	depending on probe up to 30 mm		0 – 1,500 µm
Accuracy	depending on probe up to ± (0.7 µm + 1 % of reading)		
Resolution	0.1 µm or < 0.2 % of measurement reading		
Carbide metal tip	•	•	•
Calibration	works-, one-foil-, two foil-, zero- and CTC-calibration	works-, zero- and one-foil-calibration	
Calibration memory	•	—	—
Statistics	single/block value: n, $\bar{x}$, s, min., max., Kvar, cp, cpk	Number of measurement readings, average reading, standard deviation, max and min measurement reading	
Memory	10,000 readings	max. 200 readings	max. 200 readings
Data transfer	infrared/cable	infrared	infrared
Continuous measurement	•	—	—
Display	backlight, 4 digit, alphanumeric, digit height: 10 mm		
Operating temperature	0 °C to + 60 °C		
Surface temperature	–15 °C to + 60 °C (standard) –15 °C to + 150 °C or 300 °C (with optional high-temperature foot)		
Protection class	IP 52 (protection against dust and dripping water)		
Standards	DIN, ISO, ASTM, BS		
Display	backlight, 4 digit, alphanumeric, digit height: 10 mm		
Weight	205 g (including FN probe 1.5 and batteries)		
Warranty	2 years		

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

Example of standard package

- Gauge including probe
- Rubber protection sleeve
- 2 calibration foils
- Standard(s) for zeroing (steel/aluminium)
- 2 batteries
- FixSoft transfer software (Surfix® Pro S)
- Operating manual
- Manufacturer's certificate
- Case

Additional options

- Measurement support stand for precision measurements on small parts
- Portable thermal paper printer Printfix
- Prosoft software for data management
- Soft bag

www.phynix.com

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