

SURFIX® X-SERIES



Surfix® X-Series gauges are available as Surfix® SX and Surfix® EX variants: With interchangeable or fixed probes, the Surfix® X Series offers the highest precision for almost any application.

Technical data	Surfix® SX	Surfix® EX
Specification	for connection of exchangeable, separate probes	external, fixed probes
Available probes	1.5 mm standard probe (optional acid-resistant) (FN, F, N)	1.5 mm standard probe for iron/steel and non-ferrous metals (Surfix® EX-FN)
	1.5 mm rectangular probe (FN, F)	1.5 mm standard probe for iron/steel (Surfix® EX-F)
	1.5 mm/90° tube probe (FN)	1.5 mm standard probe for non-ferrous metals (Surfix® EX-N)
	0.2 mm precision probe (FN)	
	3.5 mm rectangular probe with increased measurement range (FN, F)	
	10 mm rectangular probe with large measurement range (F)	
	(for more details see probe flyer)	
Measurement range	depending on the probe, up to 30 mm	0 – 1.500 µm
Accuracy	depending on the probe up to +/- (0.7 µm + 1 % of reading)	+/- (1 µm + 1 % of reading)
Resolution	0.1 µm or < 0.2 % of reading (with standard probe)	
Calibration method	works calibration, zero calibration, one-foil calibration; zero-offset	
Statistics	Number of measured values, mean value, standard deviation, minimum and maximum measured value	
Memory	max. 2.000 readings	
Data transfer	USB 2.0	
Display	high-resolution color display	
Operating temperature	0 °C to + 50 °C	
Surface temperature	-15 °C to + 60 °C (standard) -15 °C to + 150 °C or 300 °C (with optional high temperature foot)	
Dimensions gauge	137 mm x 66 mm x 23 mm	
Weight	205 g (incl. FN 1.5 probe and batteries)	
Power supply	2 batteries AA · 2 NiMH rechargeable batteries AA (quick-charge-compatible) · USB connection (USB 2.0)	
Protection class	IP 52 (protection against dust and dripping water)	
Standards	DIN, ISO, ASTM, BS	
Warranty	2 years	

Example of standard package

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

Additional options

- Probes according to PHYNIX delivery program
- Probe guide for precision measurements on small parts
- Calibration foils
- NiMH batteries, rechargeable via USB-connector
- Manufacturer's certificate TYP M DIN 55350