

Coating Thickness Measurement with Wireless Sensor and App **SmarTest**

The latest mode of measuring!

- Wireless sensor for coating thickness measurement
- SmarTest App turns your smartphone or tablet into a measuring device
- Always stay on top of information with an updated app



Smart Sensors – now also available in the wireless version

SmarTest is the new concept of coating thickness measurement. A wireless sensor and an APP for smart phones and tablets are all that is required for reliable determination of the coating thickness. Readings are taken with the small sen-

sor, which can fit in any pocket and then transferred to the APP via Bluetooth.

SmarTest – the evaluation APP

The APP itself offers a clear display of current measuring value, statistical evaluation of readings taken, data memory in files, two-point calibration and

export of complete batches as CSV format. Send your measuring data to any recipient by e-mail using the functionality of your smart phone or tablet.

SmarTest

The modern way of measuring coating thickness

SmarTest Sensor – practical and versatile

SmarTest is a most flexible solution: It can also be supplied in other combinations with any of the SIDS®-sensors of the MiniTest 700 series to cover a wide field of different applications.

Long battery life: for up to 8 hours in continuous operation. Readings exceeding the set limits are indicated on the sensors's green/red LED. The dual Bluetooth module ensures a long operating time in modern devices thanks to the Bluetooth low energy mode.

Standard Scope of Delivery

- SmarTest
- Calibration set with calibration foils and reference zero test plate(s)
- USB charger with mini-B USB cable
- Operating manual
- Manufacturer's certificate
- Storage case

Technical Data

	SmarTest F 1.5	SmarTest FN 1.5	
Measuring range	0 ... 1.5 mm	F-range: 0 ... 1.5 mm/N-range: 0 ... 0.7 mm	
Measuring procedure	Magnetic induction	Magnetic induction / eddy current	
Signal processing	Sensor-integrated digital 32-bit signal processing (SIDS®)		
Measuring uncertainty	± (1 µm + 0.75 % of reading)		
Repeatability	± (0.5 µm + 0.5 % of reading)		
Low range resolution	0.05 µm		
Smallest curvature radius, convex	1.0 mm		
Smallest curvature radius, concave	7.5 mm		
Smallest measuring surface	ø 5 mm		
Smallest substrate thickness	0.3 mm	0.3 mm	40 µm
Interfaces	Bluetooth 4.0 / Bluetooth Smart, range up to 10 m / Mini-USB connector for charging and power supply, data interface		
Operating temperature	– 10 °C ... + 60 °C		
Storage temperature	– 20 °C ... + 70 °C		
Power supply	LiFePO battery / operating time approx. 8 hrs continuous operation		
Norms	DIN EN ISO 1461, 2064, 2178, 2360, 2808, 3882, ASTM B 244, B 499, D7091, E 376		
Dimensions / weight	ø 16 x 125 mm / 60 g		

SmarTest App Functions

	SmarTest F 1.5	SmarTest FN 1.5
Operation system	as of Android 4.1 and iOS 9.0	
Measuring units	Metric / mils switchable	
Calibration modi	Factory calibration, zero point and 2-point calibration	
Statistics	Number of measuring values, minimum, maximum, mean value, standard deviation	
Storage of measured values	Storage of measured values in CSV file format	

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