ElektroPhysik

Short Instructions

for

SmarTest

Wireless Coating Thickness Sensor

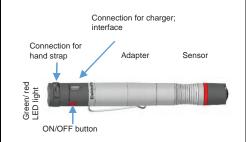
Scope of Delivery

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

Using the Product

Charging the SmarTest Unit

SmarTest comes with a lithium-ion battery. Prior to first use, the battery must be charged using the USB charger and the Micro USB cable supplied with the gauge.



Installing the SmarTest APP via "Google Play Store" on your Mobile Device

Use a QR code reader to scan the below QR code. The SmarTest App will be shown in the "Google Play Store". Select "Install".

As an alternative, you can select "Play Store" on the Apps screen of your mobile device.

Enter "Smartest" in the keyword search. Then select the SmarTest App from the list and press "install".



Connecting SmarTest to your Mobile Device

The Bluetooth connection from the SmarTest to your mobile device (smartphone, tablet) must be established once.

Switch on the SmarTest. Press ON/OFF-key until the Green LED lights up and the LED starts flashing alternately between green and red.

Select "Settings" from the Apps screen of your mobile device followed by "Bluetooth ON". Activate Bluetooth, e.g. by sliding the Bluetooth switch to the right. Then select "scan". Recognized devices will be listed accordingly. Select your SmarTest device from the list for connecting, e.g. S131334 (S+Serial

No Bluetooth authorization will be required. Smar-Test is now connected to your mobile device and shown on the list of "Paired devices". SmarTest is now ready for use.

How to take Readings:

Switch on the SmarTest. The LED starts flashing alternately between green and red.

Select "SmarTest" from the Apps screen to open the SmarTest App. Your mobile device will automatically connect to the SmarTest wireless sensor via Bluetooth. The green SmarTest LED starts flashing at intervals of 3 seconds.



Note: Make sure to switch on the SmarTest wireless sensor within 30 seconds after the SmarTest App has opened, otherwise the SmartTest App will close automatically. To start coating thickness measurement, place the SmarTest sensor onto the measuring sample. Once

the sensor is in contact with the sample, the green SmarTest LED lights up for 0.5 seconds and the reading is shown on the SmarTest App of your mobile device. For further details regarding calibration, for in-

stance, please refer to the instructions provided by the SmarTest App. Just click the "?" icon of your SmarTest App to go to the instructions accordingly.

Switching OFF the SmarTest wireless Sensor and close the SmarTest App

Press the ON/OFF button of the SmarTest sensor and hold for about 2 seconds until the red LED lights up. This action will also close down the SmarTest App. As an alternative, you can also close down the App via the menu item "Exit app". This action will also switch off the SmarTest sensor. The red LED will light up for about 0.5 seconds to confirm the switch-off.

LED Status Indication

SmarTest App.

Action / Status **LED Indication** Green LED lights up for Switch ON/OFF (Press button for about 0.5 seconds. about 2 sec.). SmarTest switched ON, no connection to mobile device /

Green/ Red flashing alternately for 1 min, SmarTest switches

Action / Status SmarTest is

switched ON, connection to mobile device/ SmarTest-App established.

Taking readings. No limit settings.

Taking readings, limits have been

> Red LED lights up for about 0.5 sec: Readings are off the set limits.

LED Indication

Green LED flashing at

intervals of 3 seconds.

Green LED lights up for

Green LED lights up for

about 0.5 sec. during

set limits.

At switch ON:

acquisition of readings: readings are within the

about 0.5 seconds.

No connection between SmarTest-Adapter and SIDSP® sensor.

Charging

Red LED flashing quickly, green LED flashing at 2 second intervals. During operation: Red LED flashing

quickly, green LED lights up 4 times followed by a 4 seconds pause.

Red LED oscillating once per sec.: Batteries are being charged: Green LED oscillating: Batteries fully charged.

about 2 seconds.

Switching OFF When switching OFF, the red LED lights up for **Declaration of Conformity**

This is to confirm that the SmarTest Wireless Coating Thickness Sensor conforms to the health and safety requirements of 2004/108/ EC guidelines (electromagnetic compatibility).

Technical Specifications

Technical Specifications	
Operating system of the SmarTest App	Android 4.1 and upwards
Interfaces	Bluetooth 4.0 / Bluetooth Smart, range up to 10 m Micro USB socket for battery charge and power supply, data interface
Indicator light	Green and red LED
Norms and standards	DIN EN ISO 1461, 2064, 2178, 2360, 2808, 3882, ASTM B 244, B 499, D7091, E 376
Operating tem- perature	10°C to 50°C
Storage tem- perature	-20°C to 70°C
Power supply	LiFePO4 battery/ approx. 8 hours life time in continuous service
Dimensions / weight	ø 16 x 125 mm / 60 g

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Subject to change without notice