

# SCHNIER



## Operating manual **FLOCK Checker**

Part.No.:  
810523

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## 1. Product and manufacturer

Congratulations on the purchase of your FLOCK Checker!

### 1.1. Product description

The FLOCK Checker is a measuring device for determining the conductivity of flock fibers.

To ensure high-quality flocking, the conductivity of the flock fibers used plays a major role. You can measure this easily and precisely with our FLOCK Checker and thus offer consistent quality of your flocked parts.

Each manufacturer of flock fibers offers different fibers with different preparations. Accordingly, these also have different conductivity.

Please refer to the respective data card of your fibers for the exact dates.

### 1.2. Specifications

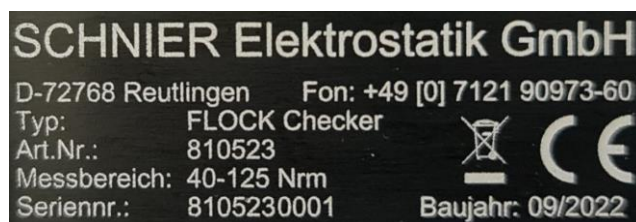
Power supply	Li-Ion battery 3,7 V / 3000 mAh
USB C Charger	85 - 264 V AC / 47 – 63 Hz
Operating time	>5 h
Automatic. switch-off function	15 min
Temperature range	+15°C to 40°C max. 95% rel. humidity, non-condensing.
Operating altitude above sea level, maximum	1.000 m
Size (incl. Electrode)	290 x 80 x 80 mm
Weight	0,8 kg
Protection class	IP 54

### 1.3. Product identification

This operating manual is part of the device:

Product:	Conductivity meter
Type:	FLOCK Checker
Part No.:	810523

### 1.4. Nameplate



## 1.5. Warranty

The warranty is 24 months after delivery.

Any kind of warranty expires if the device has been opened, modified, parts have been replaced with non-original parts or these operating instructions have not been observed.

## 1.6. Manufacturer

### **SCHNIER Elektrostatik GmbH**

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USt.-IdNr.: DE 146 481 986  
General Manager: Olav Schnier

## 2. Guide to these operating instructions

These operating instructions must be read, understood and observed in all points by all persons who are responsible for the equipment. Only with knowledge of these operating instructions errors can be avoided and safe and trouble-free operation be ensured.

SCHNIER Elektrostatik GmbH does not accept any liability for damage resulting from non-observance of these operating instructions!

## 3. Intended use

This instrument is intended exclusively for use as a conductivity meter of flock fibers.



Any commissioning outside this provision is prohibited.

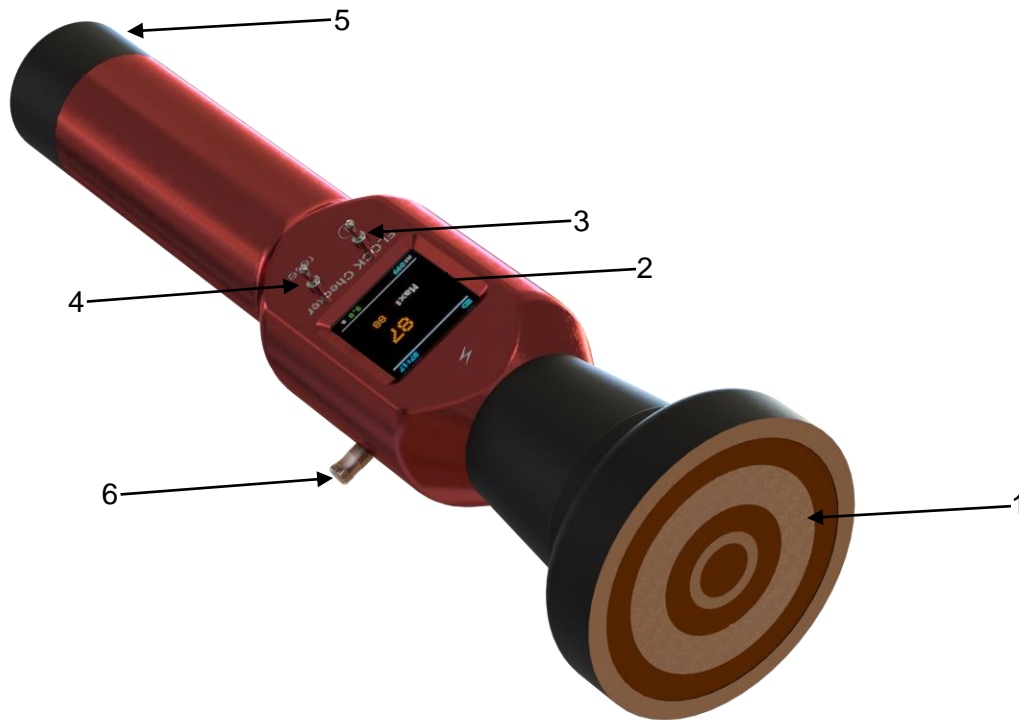
Damages / modifications:



No structural modifications of any kind may be made to this device.

## 4. Structure and overview

### 4.1 Structure of the FLOCK Checker




- 1 Electrode
- 2 Display
- 3 (I)-Button
- 4 Reset- / Save-Button
- 5 Cover charging socket
- 6 POAG Plug for grounding

## 5. Functional description

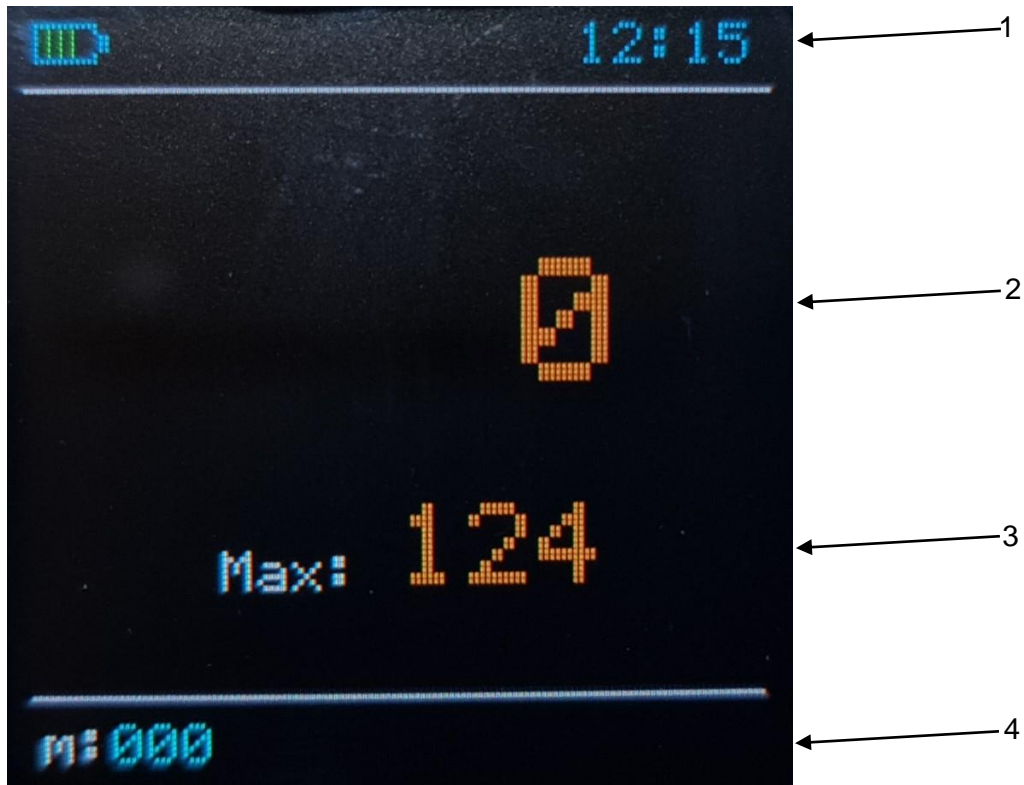
### 5.1. Commissioning

- Take the FLOCK Checker out of the case and screw on the attachment electrode carefully and not too tight.
- Remove the protective cap.
- Press the (I) button [3] upwards and hold for approx. 2 seconds.
- The unit starts up and performs a self-test.
- As soon as the value "0" is shown in the display [2], the FLOCK Checker is ready for measurement.

	The attachment electrode [1] must always be clean and dry. Moisture and impurities falsify the measurement result.
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The display for the flock measurement is in the usual standard scale divisions [Nrm].


## 5.2. Display



- 1 Battery indication and time
- 2 Current measured value
- 3 Maximum measured value
- 4 Number of stored measured values

## 5.3. Performing measurements

- Before measuring, please remove the protective cap from the electrode.
- Commissioning according to 5.1
- Dip the electrode of the FLOCK Checker into the flock to be measured and loosen it slightly.
- Now press the electrode firmly onto the flock with constant pressure.
- 3 seconds after the FLOCK Checker has made contact with the fibers, a measurement result is recorded and shown on the display.
- The handle vibrates to indicate that the measurement is complete.
- Now pull the FLOCK Checker out of the flock and read the measurement result.
- If you want to take a new measurement, set the value in the display to "0" by pressing the Reset / Save button [4] down once.
- To save the value, press the Reset / Save button [4] upwards. This also sets the value in the display to "0".
- The value "Max" is also shown in the display. This is the maximum value that was measured in this measurement series. This value remains until a higher value is measured. To set it to "0" press the Reset / Save button [4] down twice.

	Flock fibers that are good to process usually have a value of 60 - 120 standard parts of scale [Nrm].
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## 5.4. Charging the FLOCK Checker

- The FLOCK Checker will be delivered with a USB-C wide range charger. Also a USB-C to USB-A cable and adapters for UK and US.
- To charge the FLOCK Checker, please unscrew the cover for the charging socket [5]. Underneath you will find the USB-C port.
- Plug the cable into the socket and connect it to the charger.
- Plug the charger into a power outlet.
- The following message appears in the display and no measurement can be performed during charging:





## 6. Menu and further functions

To access the menu, briefly press the (I) button [3] upwards.  
By pressing the (I) button upwards, you can scroll through the menu items.  
To select an entry, press the (I) button [3] downwards.

You can select from the following:

### 6.1. Switch off

Switches the device off.

To switch off the device, select the "switch off" entry and press the (I) button down.

### 6.2. To measuring

Takes you back to measuring.

To return to measuring, select the entry "to measuring" and press the (I) button down.

### 6.3. Show memory

All stored measurement results with date and time are displayed here.

To access the stored measurement results, select the "show memory" entry and press the (I) button down.

To return to the measurement, press the (I) button downwards.

To save measured values, press the reset / save button upwards after the measurement.

### 6.4. Clear memory

Here you can clear the stored measurement results.

To delete all measured values, select the "clear memory" entry and press the (I) button down.

In the following screen, select the entry "yes" and press the (I) button down.

To delete only individual measured values, select the entry "show memory" and press the (I) button downwards.

By pressing the reset/save button downwards, the top value is deleted.

## 6.5. Settings

Here you get to the settings and can choose from the following entries:

### 6.5.1 Timer

Here, the measuring timer can be displayed at the lower right edge of the screen.

To do this, select the "Timer" entry and press the (I) button down.  
Then select the "Yes" entry and confirm by pressing the (I) button downwards.

### 6.5.2 Vibration

Here, the vibration of the handle can be switched on and off to confirm a successful measurement.

To do this, select the "Vibration" entry and press the (I) button down.  
Then select the "Yes" entry and confirm by pressing the (I) button downwards.  
The device vibrates briefly to confirm.

### 6.5.3 Date

Here you can set the date and time.

To do this, select the "Date" entry and press the (I) button down.  
The individual digits can be set by pressing the (I) button upwards.  
By pressing the (I) button downwards, the cursor always moves one position to the right.  
After all positions have been set correctly and the cursor is at the last position, you will be asked whether you want to cancel or confirm. Please make your selection by pressing the (I) button upwards and confirm by pressing the (I) button downwards.

## 6.6. Calibration

This entry is protected with a password and is used exclusively for calibration by SCHNIER Elektrostatik GmbH.

## 7. Error



This message means that the measured value is higher than 125 standard scale division [Nrm].

Simply delete it again by pressing the (I) button downwards. You can then carry out a new measurement.

## 8. Scope of delivery

- FLOCK Checker
- Attachment electrode with protective cover
- Sturdy carrying case
- USB charger incl. adapter for UK and US
- USB-C- to USB-A-Cable

## 9. Accessories

- Table mount (Part.No. 080421)

## 10. Declaration of Conformity

Manufacturer:	SCHNIER Elektrostatik GmbH Bayernstrasse 13 D-72768 Reutlingen
Product:	Measuring device
Type:	Conductivity meter
SCHNIER Part.-No.:	FLOCK Checker Part-No. 810523
Handelsbezeichnung:	FLOCK Checker
Function:	Measuring instrument for determining the conductivity of flock fibers.
DIN 54345-1:1992-02	Testing of textiles; Electrostatic behavior; Determination of electrical resistance quantities

Rommelsbach 06.09.2022



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