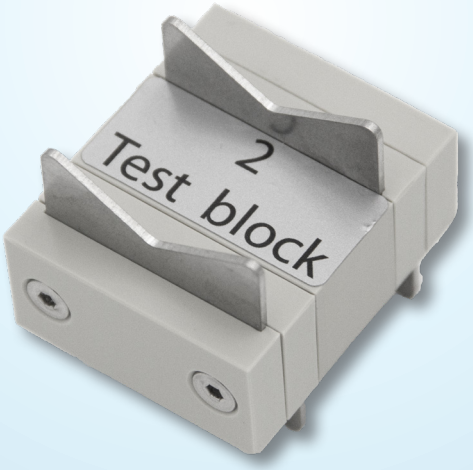
Schaller
Messtechnik / humimeter.com

Moisture meter

User manual

Test block

Test medium to check the calibration accuracy for humimeter measuring devices with conductivity measuring method

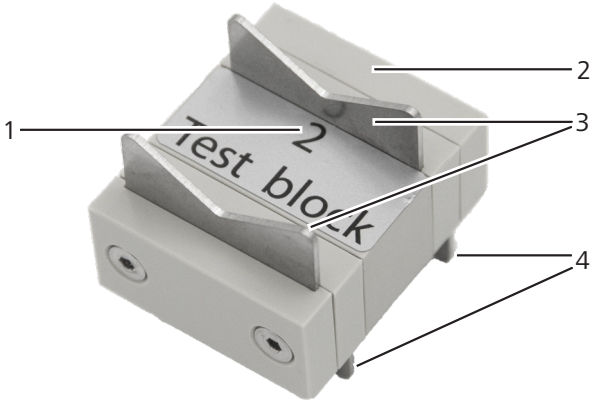


78,0 °F | 6,16% | 456 kg/m³ | −27,3 td | 0,64 aw | 51,9 %r.H. | 14,8 %abs | 100,4 g/m² | 09 m/s | 4,90 Ugl | 1

Version 2.0

Read the user manual before starting any work!

Overview of your test block



No	Name
1	Label (side 1, side 2)
2	Housing
3	Electrodes side 2
4	Electrodes side 1

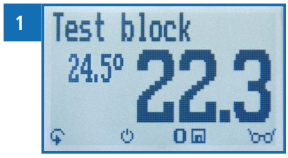
1. Checking the calibration

1.1 Procedure for humimeter FL1, FL2, BLL, BLW, SLW & PMZ

Requirement: The device and the test block must have a temperature between 20,0 °C and 26,0 °C.

1. Turn on the device and select the "Test block" characteristic curve using the cursor keys.

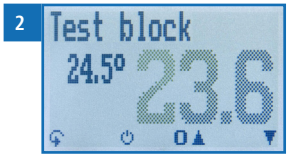
2. Hold the test block with side 1 on the sensor. The correct positioning is shown in the images under the section: "1.2.1 Positioning the test block" Seite 5 .



   » The two electrodes of the test block, lying on the sensor, should not be touched with the fingers.

   » The displayed water content must be **22,0 % (±1 %; -1%)**, (the humidity value is displayed in black) (image 1).

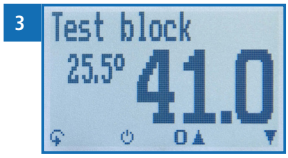
   » If the displayed value is beyond this range (the humidity value is displayed in grey) (image 2), please contact your dealer or Schaller Messtechnik GmbH.



3. Hold side 2 of the test block on the lance.

   » The displayed water content must be **41,0 % (+1 %; -1,5 %)** (the humidity value is displayed in black) (image 3).

   » If the displayed value is beyond this range (the humidity value is displayed in grey), please contact your dealer or Schaller GmbH.



1.2 Procedure humimeter WLW

Requirement: The device and the test block must have a temperature between 20,0 °C and 26,0 °C.

4. Turn on the device and select the "Test block" characteristic curve using the cursor keys

5. Hold the test block with side 1 on the sensor. The correct positioning is shown in the images under the section: "1.2.1 Positioning the test block" Seite 5 .

   » The two electrodes of the test block, lying on the sensor, should not be touched with the fingers.

   » The displayed water content must be **28,7 % (+/- 1,0 %)** (the humidity value is displayed in black) (image 4).

   » If the displayed value is beyond this range (the humidity value is displayed in grey) (image 5), please contact your dealer or Schaller Messtechnik GmbH.

6. Hold side 2 of the test block on the lance.

   » The displayed water content must be **70,0 % (+1,0 %; -1,5%),** (the humidity value is displayed in black) (image 6).

   » If the displayed value is beyond this range (the humidity value is displayed in grey), please contact your dealer or Schaller GmbH.

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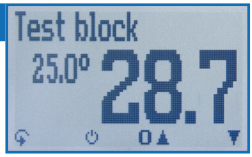
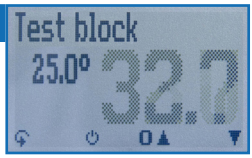
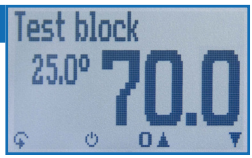


5



6



1.2.1 Positioning the test block

1.2.2 humimeter FL1 & FL2

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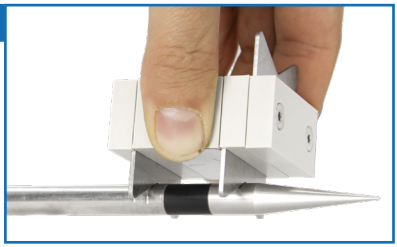

» The two electrodes of the test block must lie firmly on the metal parts both before and behind the black plastic insulator.

» The sensor tube or the measuring tip must be held in the air during the test.

1.2.3 humimeter BLL

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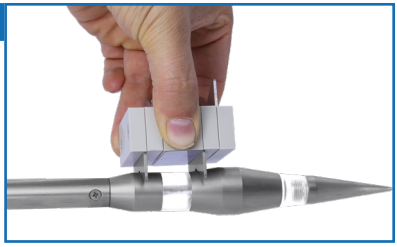

» The two electrodes of the test block must lie firmly on the metal parts both before and behind the transparent plastic insulator.

» The sensor tube or the measuring tip must be held in the air during the test.

1.2.4 humimeter WLW, BLW & SLW

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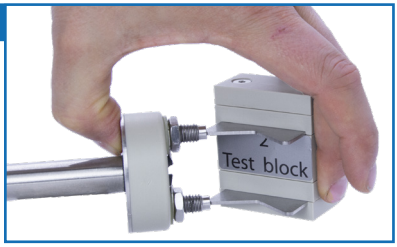

» Remove the nails and nuts.
» The two electrodes of the test block have to be held in the holes of the grub screws.
» The electrodes must be pressed lightly onto the grub screws.
» The measuring head must be held in the air during the test.

1.2.5 humimeter PMZ

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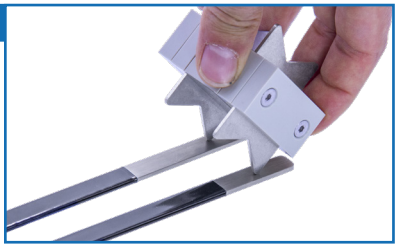

» The two electrodes of the test block must be held on the bare metal brackets of the measuring head.
» The measuring head must be held in the air during the test.

2. Care instructions

- Do not leave the test block out in the rain. The test block is not waterproof.
- Do not expose the test block to extreme temperatures.
- Protect the test block from strong mechanical shocks and loads.
- Store the test block in a climate between 30 and 70 % humidity.

2.1 Cleaning

Electrodes

- If the measuring head is dirty, it can be cleaned with alcohol.

Test block

- If the test block is dirty, clean it with a moistened cloth.

INFORMATION

Equipment damage caused by wet cleaning of electronics
Water or cleaning fluid getting inside the device can destroy the device.

► Only clean with dry materials.

Climate
Environment

Material

Foods

Buildings

Bioenergy

Paper / Board

Schaller Messtechnik develops, produces and sells professional moisture meters and turnkey solutions.

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