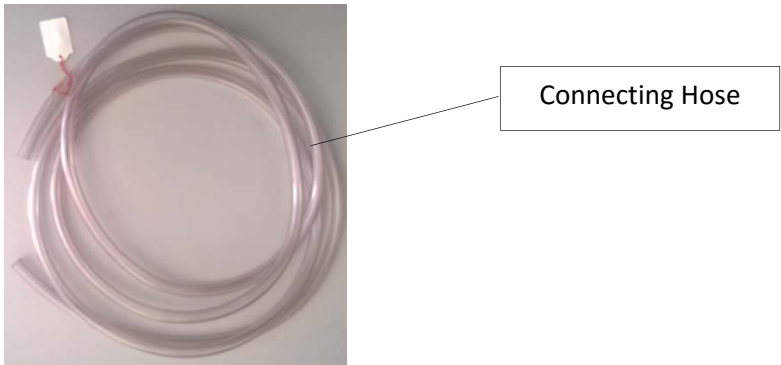
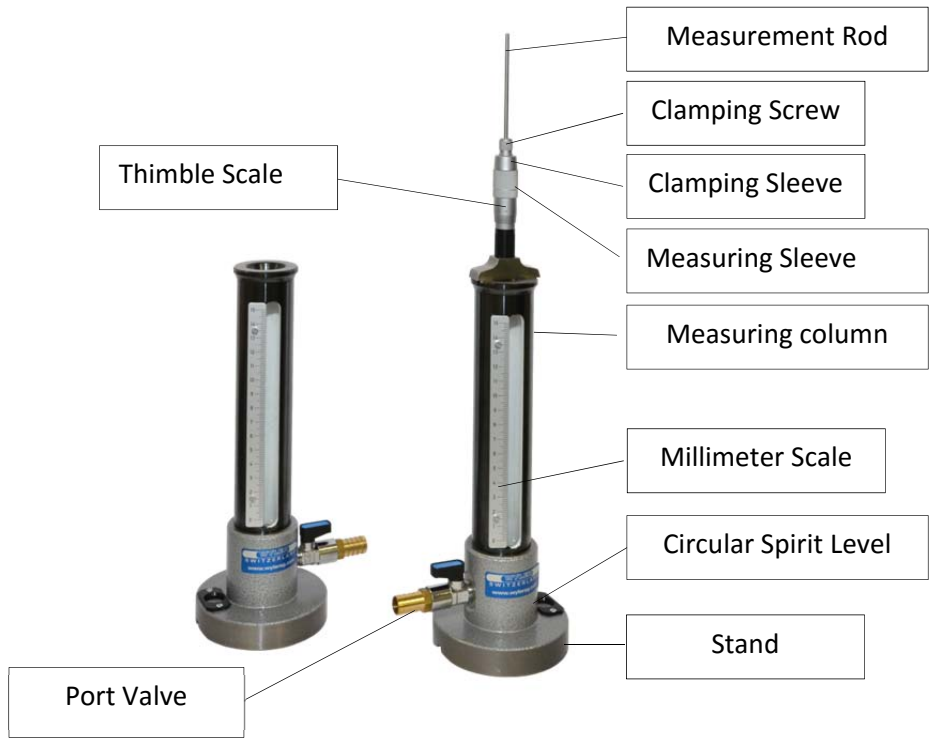


Communicating Water Level 77 with optional depth micrometer and optional connecting hose

Overview



Preparing

1. Alignment of the measurement object with on board circular spirit level.



2. Connection hose connected with valve



To open the valve turn the blue lever counterclockwise 90 °

3. Filling of the water.

For longer periods of measuring it is advisable to use distilled water.

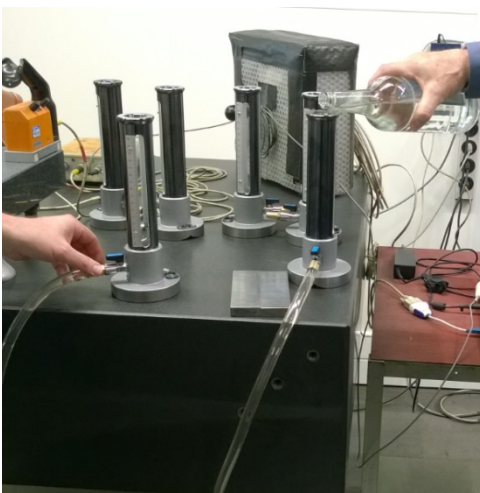
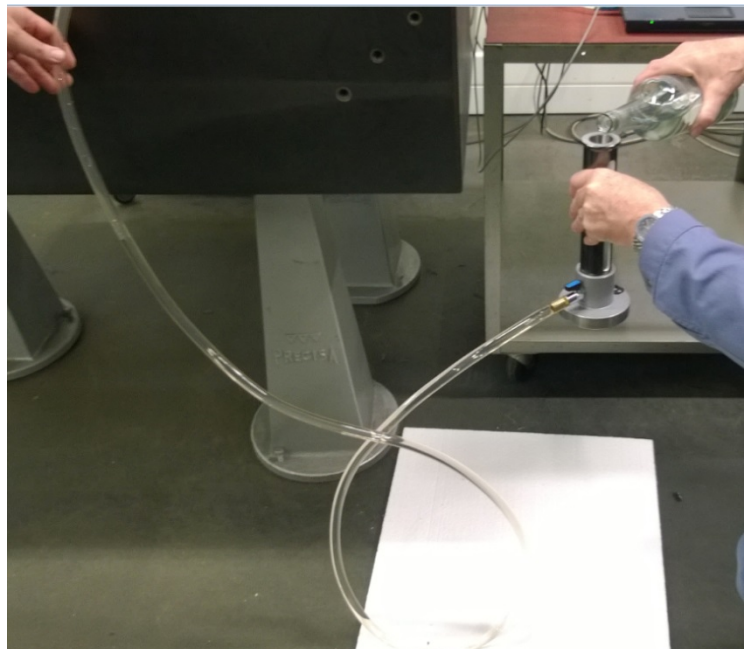
- Put one measuring column to a low position, e.g. floor.



- Hold the hose higher. Pour the liquid slowly. The liquid has always to rise in the tube. This avoids bubbles.

- Level up the measuring column. At the same time pour the liquid slowly into the system.

- Level both measuring columns to the same height.



- Fill the system until both measuring columns are filled 50% with the liquid.

Depth Micrometer



Attention: The measuring range of the depth micrometer is 25mm in maximum.

Moving of the Measurement Rod: (To adjust the measurement rod to the current water level)



- Open the clamping sleeve



- Open the clamping screw



- Move the measuring rod to the desired position



- Lock the clamping screw



- Lock the clamping sleeve

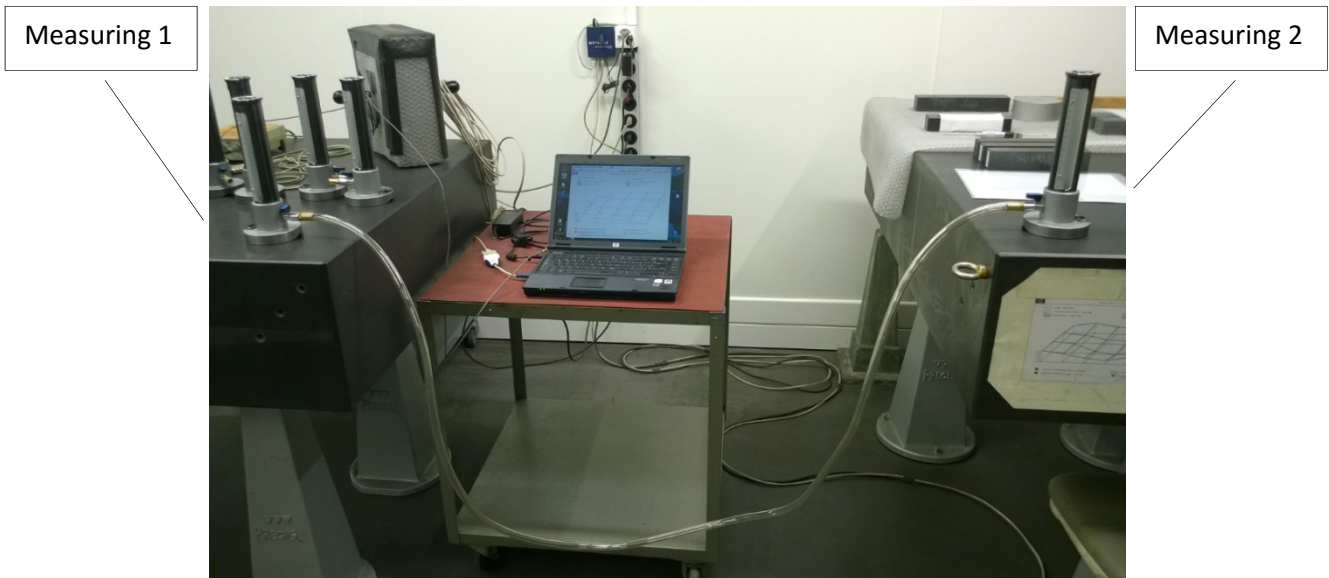
Attention

Failure to comply with this order may result in serious damage to the thread.

Aufstellen der Messzylinder am Messplatz

Attention Measurement errors may be caused by the following points:

- **fouling or calcification of the system**
- **different air pressure between the measuring stations, caused by draft, air conditioner, or by varying air pressure in two rooms.**



Measurement without depth micrometer

Measurement

Reading the column 1 directly on the scale: 68 mm

Reading the column 1 directly on the scale: 59.5 mm

Result:

Measuring 1 is 8.5 mm higher then measuring 2

Column 1



Column 2



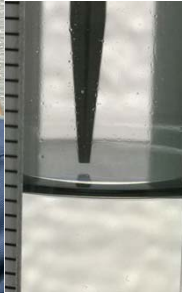
Measurement without depth micrometer

Measuring 1:

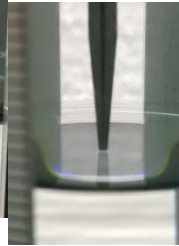
Set the depth micrometer on the measurement column



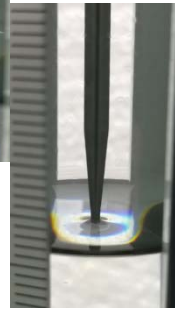
Move the measurement rod close to the water level.



Turn the measurement sleeve and move



the measurement rod lower until



the water surface contacts the needle.

Read out the value

Read out the value

The thimble scale shows the result:

In this case : 7.83 mm

Measuring 2:

Move the depth micrometer from measuring 1 to measuring 2

Repeat the measurement according measurement 1

Read out the value at the thimble scale:

21.81 mm

Calculate the difference of measurement 1- measurement 2

Difference: $7.83 - 21.81 = 13.98$ mm

⇒ **Point of measurement 2 is 13.98 mm higher than Point of measurement 1**

It is advisable to repeat the measurement 2-3 times and calculate the average.



Care Instructions

Drain the system after use.

Clean the equipment and tubing with cleaning vinegar (max concentration : 8%)

Allow to dry and then kept in the wooden box.

