

## DT803-1H Hygrometer, demo unit



### Adjustment of the hygrometer

Analogue hygrometers should be regularly given time to "regenerate" to ensure the most accurate measurement. Therefore it is recommended to wrap the hygrometer every 6 months into a wet piece of cloth for 15 minutes for example.

Under these conditions, a humidity of about 95 - 99% RH should be achieved.

If this is not the case place the hygrometer after its regeneration phase next to another reference hygrometer and allow it to acclimatize.

Afterwards the values should be compared and readjust accordingly if required.

A wet piece of cloth is therefore not optimally suitable as a reference. However, if absolute measurements are not required, it will help to regenerate maintenance and extend the lifetime of the hygrometer.

Electronic hygrometers are not affected in this regard and usually can/need not be readjusted.

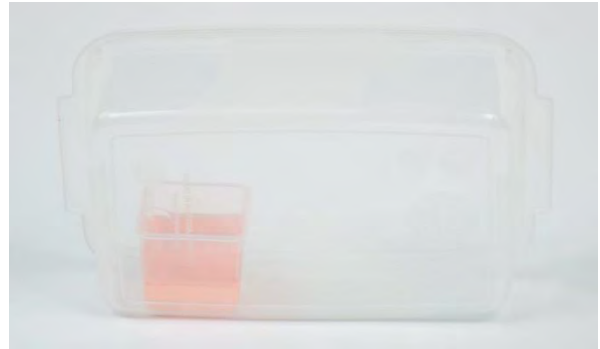
## Experiment

Remove the lid of the plastics container and place the bottom of the container sideways.

Fill up the small container with hot water and place it in the bottom of the large container.



Place the hygrometer carefully next to the small container with hot water.



Read off the displayed value of the hygrometer (humidity in environment) and write it down.



Press the bottom part of the container strongly against the lid to ensure that it is sealed tightly.

Observe the pointer of the hygrometer.

## Result

Within one or two minutes the humidity should constantly raise which is indicated by the pointer deflection to the right.

