

DT803-1B Barometer, demo unit



Important note

In order to prevent damage during the transport the pointer of the barometer has been locked and needs to be unlocked before the first use.

Afterwards the barometer has to be set to the air pressure of the current location.



Place the barometer on a non-slipping surface with the back side up.

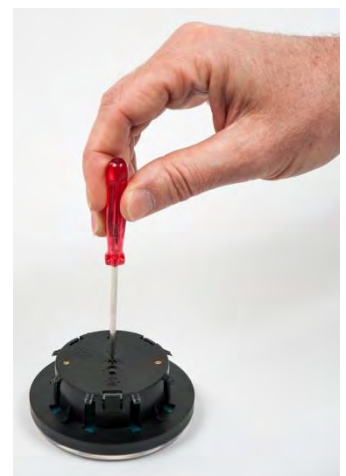
Carefully turn the central screw clockwise with the help of the enclosed screwdriver.

First unlock the transport security by using a little force.

After two full turns to the right the pointer will start to react sensitively.

Adjust the pointer by turning the screwdriver to the left or to the right until you set it to the current air pressure value.

The current reference value can be obtained from the internet, public authorities or your local weather service.



Experiment

Remove the lid from the plastics container and place it with the top on a plane area.

Afterwards put the calibrated barometer on the lid.



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

Generating over pressure (positive pressure)

When the container is pressed together a overpressure can be generated - this is indicated by the pointer deflection to the right.



Generating under pressure (negative pressure)

Moisten the suction cup a little bit and press it against the middle of the lid.



Hold the container tight and pull on the suction cup. A negative pressure is generated, which is indicated by the pointer deflection to the left.

