

TFA

Messinstrumente für
Wetter, Raumklima & Zeit

Measuring Instruments for
weather, room climate & time

www.tfa-dostmann.de

- DE Bedienungsanleitung
- GB Instruction manual
- FR Mode d'emploi
- IT Istruzioni per l'uso
- NL Gebruiksaanwijzing
- ES Instrucciones de uso
- RU Наръчник
- CZ Návod k použití
- FIN Käyttöohje
- GR Εγχειρίδιο
- HU Használati útmutató
- HR Upute za uporabu
- P Manual de Instruções
- PL Instrukcja
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- RU Инструкция
- SK Inštrukcia
- TR Kullanım Talimatı



Without the correct settings
it won't work!

GB

How the barometer works

GB

The weather in sight:
thermometer and hygrometer

GB

Better room climate!
With the right temperature
and humidity

GB



The barometer has to be adjusted to your local altitude first. Ask for the present relative atmospheric pressure of your home area (local weather service, the internet). Using a small screwdriver, carefully turn the adjusting screw to the right until the value coincides with the actual atmospheric pressure. Do not turn the barometer movement too far! A better precision can be achieved by gently tapping the barometer glass after the adjustment has been made.



The barometer measures the atmospheric pressure in hekto-pascal (hPa). The atmospheric pressure corresponds to the weight of the surrounding air masses and depends on the weather condition and the local altitude. At higher altitudes the air pressure is always lower, starting from the sea level, it decreases 1 hPa every 8 meters. That's why it's so important to set the barometer to your altitude.



The thermometer measures the temperature in degree Centigrade or Fahrenheit. When used outside, you get the outdoor temperature - an important information for your house, garden, leisure and profession. Make sure that your device is weatherproof and suitable for outdoor use!



Excessive humidity (>65%) indoors promotes the formation of mould. But air that is too dry is also bad for your health and irritates your skin and the respiratory system.



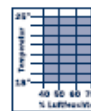
Thermometer and hygrometer have been adjusted in the factory. To readjust, turn the adjusting screw on the back. The hygrometer should be regenerated regularly every 6 months. Wrap the device with a damp cloth and leave it for 20 minutes. After that, the humidity displayed should be between 90 and 99% RH, otherwise re-adjustment with a reference device is required.



The different weight of cold and warm air currents changes the air pressure. The observation of the changes in atmospheric pressure allows you to forecast the weather. It does not matter if the instrument is inside or outside the house.



The hygrometer measures the relative humidity of air as a percentage. This value is "relative" because the air can absorb different amounts of moisture depending on the temperature.



By controlling the room climate you simply feel better and save on heating costs - up to 6 % for one degree less temperature. The right temperature and humidity vary from room to room depending on what is used for (see fig. 1).



The monitoring of the humidity in the open air gives you information about the changes in the weather. In most cases, an increase will result in bad weather; whereas decreasing humidity gives way to good weather.

Increase	fine weather
Rapid increase	short period of fine weather
Decrease	bad weather
Rapid decrease	thunder and storm

Detailed instructions can be found under:
www.tfa-dostmann.de/Service

Further information can be found at:
www.tfa-dostmann.de

Fig. 1

