

TESTOsolutions

Thermographic mould and humidity measurement



So that you can detect the humidity before your customer can spot the mould.

Damp interiors and mould won't stand a chance. Thermal imagers from Testo make it easy for you to keep an eye on all potential sources of risk. How? Simple: Testo thermal imagers calculate the humidity value of each measuring point using the externally determined ambient temperature and air humidity as well as the measured surface temperature. And on your display you are immediately able to detect what is invisible to the naked eye.

The application



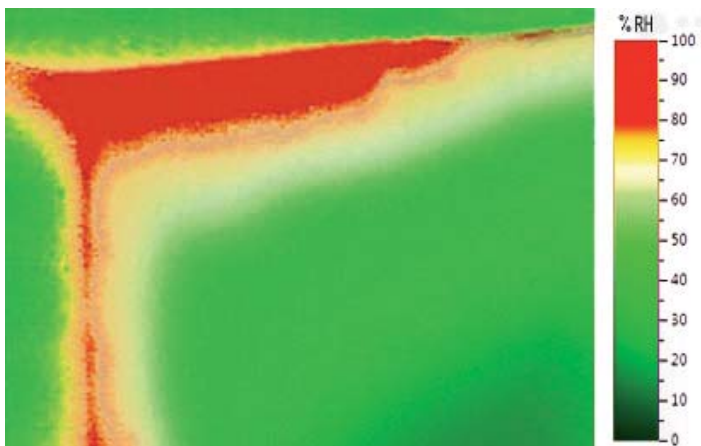
Humidity-related risks in buildings.

Humidity in building interiors often leads to wide-ranging problems. Structural defects and inappropriate user behaviour can result in the formation of mould. Testo thermal imagers can be used in many areas:

- Locating thermal bridges
- Detecting air leaks
- Detecting cracks in the masonry
- Gas leak detection and location
- Energy consultancy

It is particularly important for moist areas on walls and ceilings to be made visible. This is because the earlier you detect the risk of mould developing, with its associated risks to health and equipment, the sooner you can do something about it.

The solution



Thermographic mould and humidity measurement with Testo: simple, contactless and efficient.

Scientific studies have shown that humidity values of approximately 80 % RH are required for mould to grow. Xerophilic fungi even grow from approximately 65 % RH. Testo thermal imagers reveal sites at risk of mould, such as ceilings, walls or corners, directly on the camera display: points at risk are displayed in red, points not at risk appear green. One glance is all it takes for you to be assured that you are in the clear. No need to spend time on elaborate and complex calculations of humidity values or make a written note of them. Simply input the ambient temperature and air humidity



into the thermal imaging camera, and the thermal imaging camera will take care of the rest and calculate the relative surface humidity value for each measuring point. In addition, an external wireless humidity sensor can be connected to the testo 881 and testo 882 models and can be used to transmit the ambient parameters to the thermal imaging camera. There is no need to input the readings manually. Thus, the continuous data transmission makes calculating humidity values even easier and more reliable.



More info.

For more information and answers to all your questions concerning thermography and humidity measurement, contact our thermography experts at +49 7653 681 700 or thermografie@testo.de.