

Homogeneity

Almost all manufacturers of temperature control chambers provide details in their technical specifications on temperature homogeneity and temperature stability.

For the testing of **ovens** and **incubators**, **DIN 12880:2007-05** is applicable in Germany. Here, the test setup is regulated for determining these two parameters, for determining **heating up times** and **cooling down times** and to determine the recovery times after the door has been opened.

The **temperature variation** results from the temperature progression of those measurement points which display the largest **temperature deviation** over time. The temperature homogeneity, that is, the spatial **temperature deviation**, results from the difference between the two measurement points with the highest and lowest measured temperature value.

[Overview Glossary Temperature control chamber](#)

Autor:

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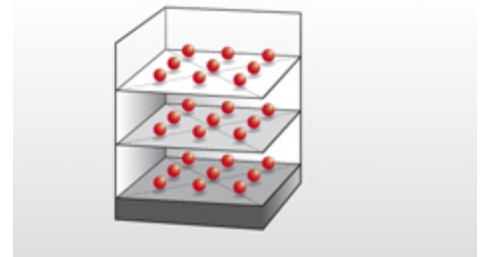


Fig. 1.4.1.1. Test setup with 27 measurement points for appliances with more than 50 litres capacity acc. to DIN 12880:2007-05