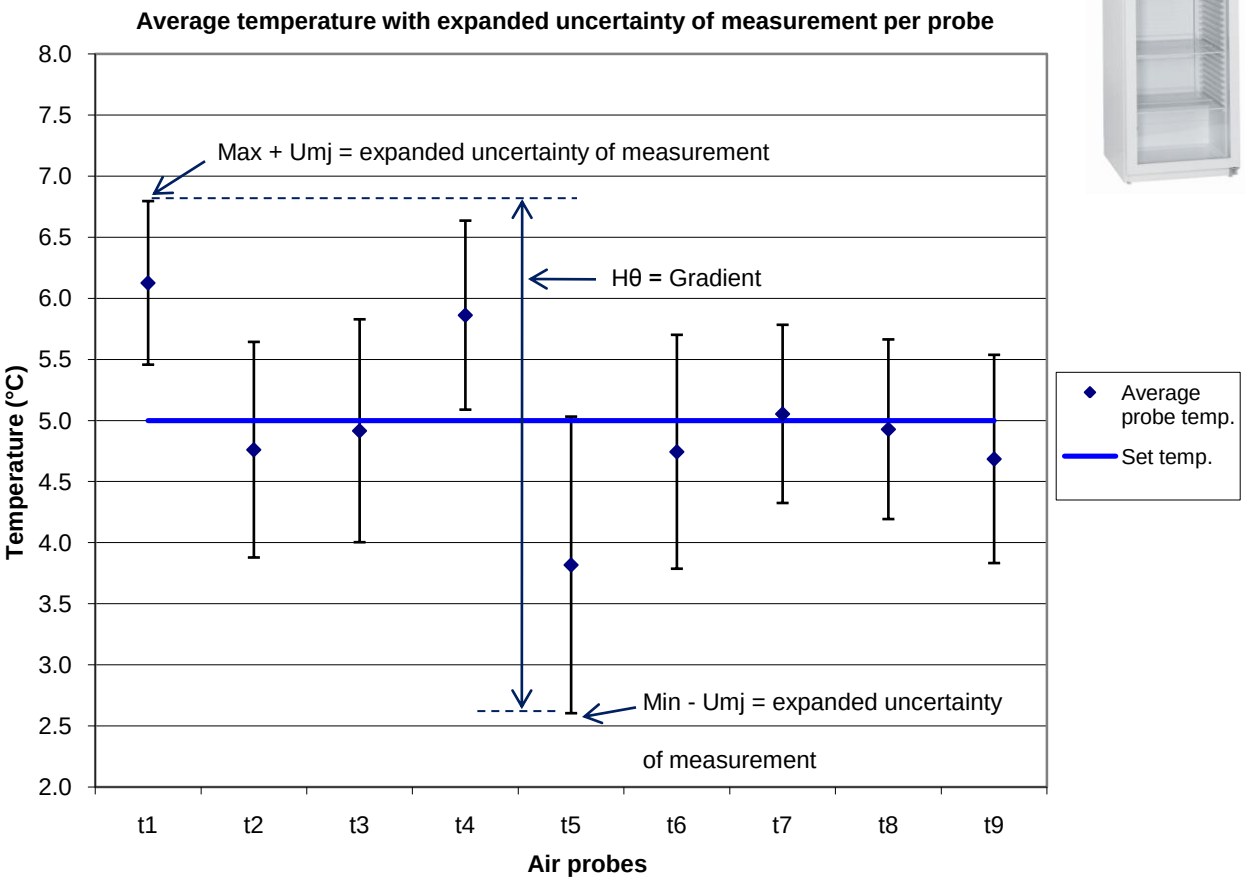
# Liebherr laboratory refrigerator LKv 3912

Test procedure NF X15-140:
Evaluation of air temperatures (light off)

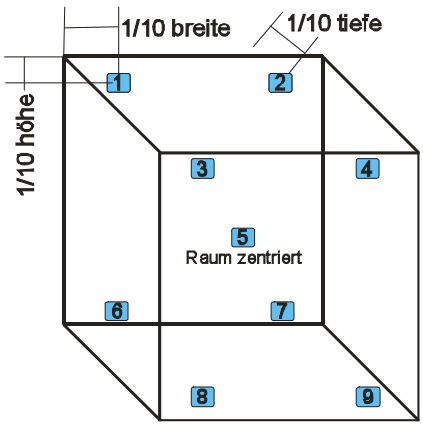
## Gradient Hθ: 4.2K (+1.8K / -2.4k from set temperature)
## Max. fluctuation: 3.7K




- **Gradient** (Homogeneity) distribution of temperatures within the chamber

  $H=\max(\theta_{mj}+U_{mj}) - \min(\theta_{mj}+U_{mj})\theta$

- max = (mean value warmest probe + standard deviation + measurement uncertainty)
- min = (mean value coldest probe - standard deviation - measurement uncertainty)




Positions of probes
according to NF X15-140

- 9 measurements with air-temperature PT100 probes
- 8 probes in the corners of the “working space”, 1/10 of the internal dimension away from the chamber walls & 1 in the centre of the working space