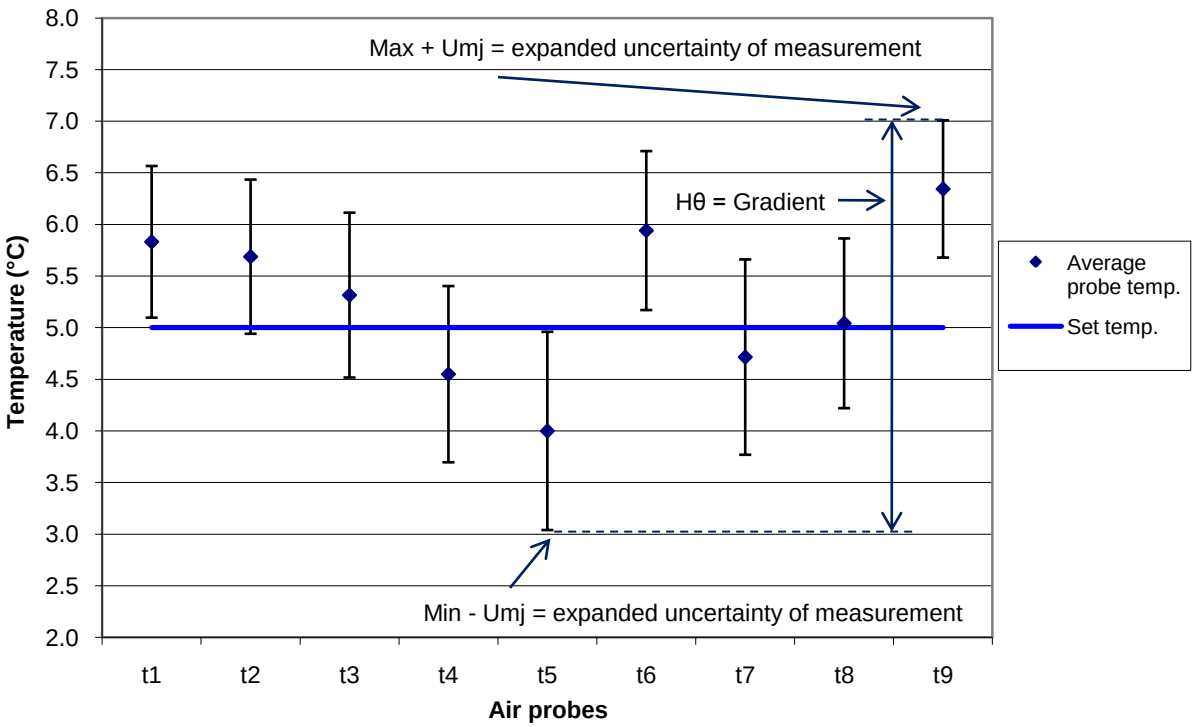
Liebherr laboratory refrigerator LKUv 1612

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

Gradient Hθ: 4.0K (+2.0K / -2.0k from set temperature)
Max. fluctuation: 3.3K

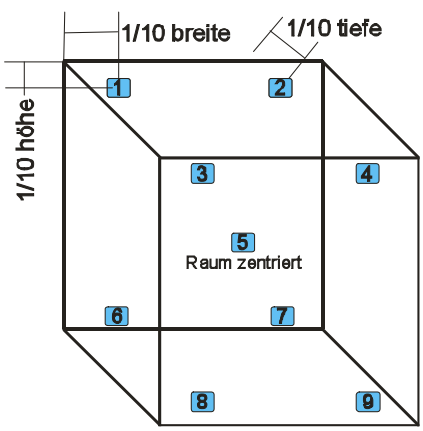
Average temperature with expanded uncertainty of measurement per probe



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

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

- 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