

Liebherr laboratory refrigerator LKUv 1610

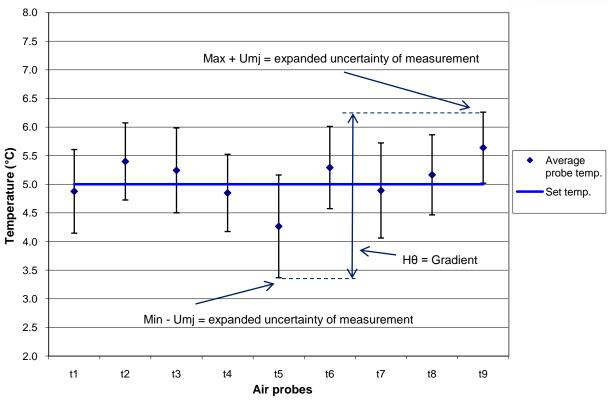
Test procedure NF X15-140: Evaluation of air temperatures

Gradient H0: 2.9K (+1.3K / -1.6k from set temperature)

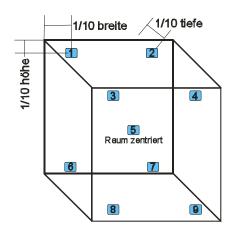
Max. fluctuation: 2.5K



Average temperature with expanded uncertainty of measurement per probe



- Gradient (Homogeneity) distribution of temperatures within the chamber
 Hθ=max(θ_{mi}+U_{mi}) min (θ_{mi}+U_{mi})
- 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

