

*Very simple reference calculation*

*Detector is such a poor thermal conductor, that the temperature will nearly match the profile of the environment if the air temperature profile is stratified.*

*This example shows, just for reference purposes, the cross section of the detector with stratified air surrounding it 295K on the top of the detector varying linearly down to 265K at the bottom.*

*We can see the temperature difference between the ambient air profile and detector profile differs by less than 0.1 degree C.*

