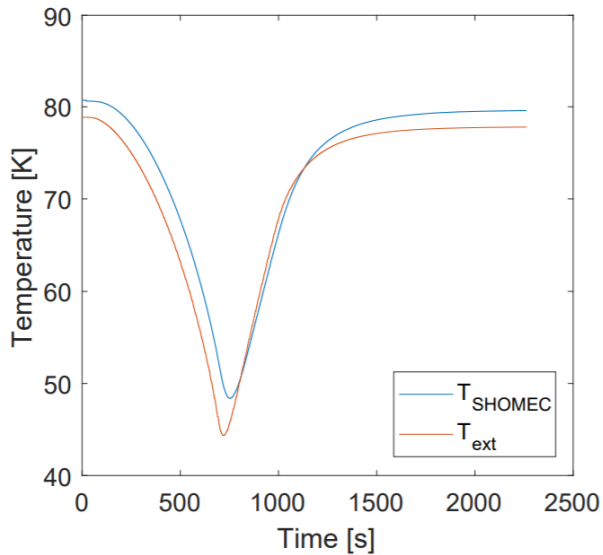


RECOMCREC13 Thermal Conductance

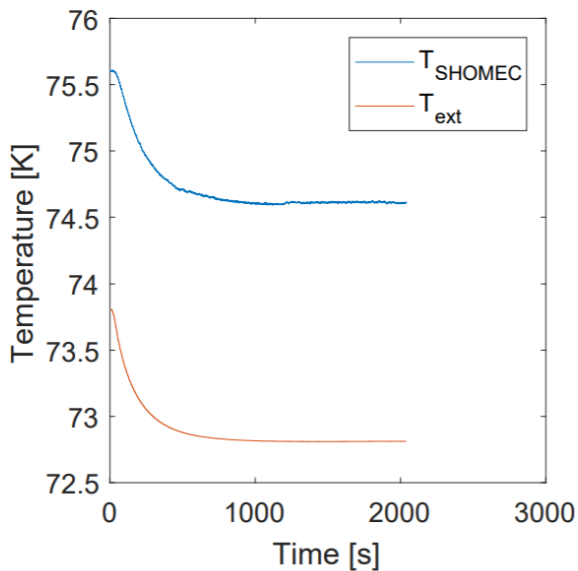
The RECOMCREC13 Sample Receiver presses the SHOMEK Sample Plate down on to the cooling surface of the receiver. This results in a very good thermal contact between receiver and sample plate. The expected temperature difference between the sample plate and the receiver is about 2K, as shown in the two graphs below.

This is about an order of magnitude better thermal conductance between receiver and sample compared to a standard RECOMEC13 sample receiver.

The receiver is labelled "ext" for external temperature and the sample plate is labelled "SHOMEK".



Temperature response as we cool from $T=80K$ to $T=45K$ and back.



Temperature difference in response to a small decrement in temperature