

Monday, December 18, 2023, Time 15:15

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: 2023_12_18_W1 iz 2023_smp 2

Thickness: 27.32mm

Rear Left : 27.69 mm Rear Right : 27.23 mm

Front Left: 27.43 mm Front Right: 26.95 mm

[]

[]

Thickness obtained : from instrument

TEST RUN

Calibration used : User Type

Calibration File Id: IRMMCalibration_sn2520

Number of transducers per plate: 1

Number of transducers used per plate: 1

Number of Setpoints: 3

Setpoint duration: 55 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.57	24.25	-14231	8516	0.9301
-ne-	14.99	24.98	-9882	7546	0.6194
-te-	15.00	25.01	-8982	8236	0.6105
-te-	15.00	25.01	-8752	8501	0.6118
-te-	15.00	25.01	-8656	8606	0.6122
-te-	15.00	25.01	-8632	8657	0.6130
-te-	15.01	25.01	-8613	8679	0.6131
-pe-	15.01	25.02	-8611	8681	0.6132
-pe-	15.01	25.02	-8608	8687	0.6131
-pe-	15.01	25.02	-8599	8685	0.6125
-pe-	15.01	25.02	-8594	8686	0.6125
-pe-	15.00	25.02	-8589	8681	0.6120
-pe-	15.01	25.02	-8596	8671	0.6121

Monday, December 18, 2023, Time 16:11

Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.01 °C

CalibFactor Upper: 0.026016

Results Upper: 0.6101 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.6143 W/mK

Percent Difference: 0.68%

Thermal Equilibrium Criteria:

Temperature Equilibrium: 0.20

Between Block HFM Equil.: 49

HFM Percent Change: 2.00

Min Number of Blocks: 4

Calculation Blocks: 3

Setpoint duration: 72 min

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.16	20.08	-17683	-4394	0.7981
-te-	9.99	19.99	-11807	4588	0.5870

-te-	10.00	19.99	-9784	6933	0.5981
-te-	10.00	20.00	-8974	7890	0.6026
-te-	10.00	20.01	-8655	8274	0.6045
-te-	10.00	20.00	-8532	8417	0.6052
-te-	10.00	20.00	-8485	8475	0.6057
-te-	10.00	20.00	-8478	8497	0.6063
-pe-	10.00	20.00	-8467	8514	0.6063
-pe-	10.00	20.00	-8461	8524	0.6065
-pe-	10.00	20.00	-8455	8531	0.6065
-pe-	10.00	20.00	-8455	8544	0.6070
-pe-	10.00	20.01	-8452	8541	0.6067
-pe-	10.01	20.01	-8452	8540	0.6067
-pe-	10.01	20.01	-8452	8540	0.6067
-pe-	10.00	20.01	-8449	8537	0.6063
-pe-	10.00	20.01	-8450	8532	0.6063

Monday, December 18, 2023, Time 17:23

Setpoint No.	2		
Setpoint Upper:	10.00	°C	
Setpoint Lower:	20.00	°C	
Temperature Upper:	10.00	°C	
CalibFactor Upper:	0.026312		
Results Upper:	0.6074	W/mK	
Temperature Lower:	20.01	°C	
CalibFactor Lower:	0.025969		
Results Lower:	0.6056	W/mK	
Percent Difference:	0.30%		

Thermal Equilibrium Criteria:	
Temperature Equilibrium:	0.20
Between Block HFM Equil.:	49
HFM Percent Change:	2.00
Min Number of Blocks:	4
Calculation Blocks:	3

Setpoint duration: 93 min

Block Averages for setpoint 3 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.24	15.08	-17545	-4378	0.8055
-te-	4.99	14.99	-11638	4465	0.5813
-te-	4.99	15.00	-9630	6803	0.5914
-te-	5.00	15.00	-8830	7752	0.5961
-te-	5.00	15.01	-8518	8115	0.5977
-te-	5.00	15.01	-8390	8267	0.5984
-te-	5.00	15.00	-8335	8323	0.5985
-te-	5.00	15.01	-8306	8346	0.5982
-pe-	5.00	15.01	-8300	8355	0.5982
-pe-	5.00	15.01	-8292	8355	0.5979
-pe-	5.00	15.01	-8280	8352	0.5971
-pe-	5.00	15.01	-8276	8352	0.5971
-pe-	5.00	15.01	-8268	8353	0.5969
-pe-	5.00	15.01	-8265	8349	0.5967
-pe-	5.00	15.01	-8260	8346	0.5964
-pe-	5.00	15.01	-8258	8342	0.5963
-pe-	5.00	15.01	-8250	8331	0.5953
-pe-	5.00	15.01	-8244	8329	0.5952
-pe-	5.00	15.01	-8243	8325	0.5950
-pe-	5.00	15.01	-8240	8321	0.5947
-pe-	5.00	15.01	-8237	8321	0.5947
-pe-	5.00	15.01	-8238	8314	0.5944

Monday, December 18, 2023, Time 18:56

Setpoint No.	3		
Setpoint Upper:	5.00	°C	
Setpoint Lower:	15.00	°C	
Temperature Upper:	5.00	°C	
CalibFactor Upper:	0.026610		
Results Upper:	0.5986	W/mK	
Temperature Lower:	15.01	°C	

CalibFactor Lower: 0.026002
Results Lower: 0.5906 W/mK
Percent Difference: 1.34%

Thermal Equilibrium Criteria:
Temperature Equilibrium: 0.20
Between Block HFM Equil.: 49
HFM Percent Change: 2.00
Min Number of Blocks: 4
Calculation Blocks: 3

Results Table -- SI Units

Mean Temp	Upper Cond	Lower Cond	Average Cond
20.01	0.6101	0.6143	0.6122
15.01	0.6074	0.6056	0.6065
10.00	0.5986	0.5906	0.5946