

Wintherm32v3 Version 3.31.143 Uni
Instrument: F200s
Instrument Program Version 290
Instrument Serial Number: 2520

Sample Name: 2023-W1-2a
Thickness: 27.87mm
Rear Left : 28.09 mm Rear Right : 28.63 mm
Front Left: 27.13 mm Front Right: 27.64 mm
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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: 59 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.52	24.17	-5426	15103	0.8582
-ne-	15.02	25.01	-6113	9874	0.5793
-te-	15.01	25.02	-7045	8545	0.5637
-te-	15.01	25.02	-7440	8148	0.5636
-te-	15.01	25.02	-7583	7992	0.5632
-te-	15.01	25.01	-7632	7939	0.5631
-te-	15.01	25.02	-7661	7914	0.5632
-pe-	15.01	25.02	-7657	7910	0.5628
-pe-	15.01	25.02	-7662	7898	0.5626
-pe-	15.01	25.02	-7661	7896	0.5624
-pe-	15.01	25.02	-7662	7891	0.5624
-pe-	15.00	25.01	-7661	7888	0.5622
-pe-	15.01	25.02	-7664	7883	0.5622
-pe-	15.00	25.01	-7664	7888	0.5625

Setpoint No. 1
Setpoint Upper: 15.00 °C
Setpoint Lower: 25.00 °C
Temperature Upper: 15.00 °C
CalibFactor Upper: 0.026016
Results Upper: 0.5551 W/mK
Temperature Lower: 25.01 °C
CalibFactor Lower: 0.025934
Results Lower: 0.5695 W/mK
Percent Difference: 2.56%

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: 50 min

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.18	20.07	-17304	-3993	0.7873

-te-	9.99	19.99	-10936	4460	0.5622
-te-	10.00	19.99	-8858	6533	0.5615
-te-	10.00	20.00	-8058	7333	0.5608
-te-	10.00	20.00	-7774	7646	0.5617
-te-	10.00	20.00	-7668	7758	0.5619
-te-	10.00	20.00	-7627	7793	0.5617
-pe-	10.00	20.00	-7616	7809	0.5618
-pe-	10.00	20.00	-7604	7819	0.5617
-pe-	10.00	20.00	-7598	7827	0.5617
-pe-	10.00	20.01	-7595	7825	0.5614
-pe-	10.01	20.01	-7597	7819	0.5613

Wednesday, December 06, 2023, Time 12:03

Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026312
Results Upper: 0.5569 W/mK
Temperature Lower: 20.01 °C
CalibFactor Lower: 0.025969
Results Lower: 0.5661 W/mK
Percent Difference: 1.63%

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: 50 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.25	15.09	-17178	-3925	0.7923
-te-	4.99	14.99	-10796	4373	0.5585
-te-	4.99	15.00	-8729	6430	0.5564
-te-	5.00	15.00	-7938	7229	0.5560
-te-	4.99	15.00	-7652	7524	0.5560
-te-	5.00	15.00	-7548	7625	0.5559
-te-	5.00	15.00	-7525	7661	0.5563
-pe-	4.99	15.00	-7505	7682	0.5563
-pe-	5.00	15.00	-7492	7694	0.5563
-pe-	5.00	15.00	-7486	7699	0.5563
-pe-	5.00	15.01	-7483	7698	0.5561
-pe-	5.00	15.01	-7487	7690	0.5559

Wednesday, December 06, 2023, Time 12:54

Setpoint No. 3
Setpoint Upper: 5.00 °C
Setpoint Lower: 15.00 °C
Temperature Upper: 5.00 °C
CalibFactor Upper: 0.026610
Results Upper: 0.5548 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026002
Results Lower: 0.5574 W/mK
Percent Difference: 0.47%

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	0.5551	0.5695	0.5623
15.01	0.5569	0.5661	0.5615
10.00	0.5548	0.5574	0.5561