

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

Sample Name: 2023_12_19_W1 iz 2023_smp 1
Thickness: 27.24mm
Rear Left : 27.05 mm Rear Right : 27.58 mm
Front Left: 26.90 mm Front Right: 27.43 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: 50 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.58	24.15	-14953	8908	0.9848
-ne-	15.00	24.98	-10111	7823	0.6357
-te-	15.01	25.01	-9106	8470	0.6213
-te-	15.00	25.01	-8878	8691	0.6210
-te-	15.00	25.01	-8798	8775	0.6212
-te-	15.00	25.01	-8771	8801	0.6212
-pe-	15.01	25.01	-8769	8805	0.6213
-pe-	15.00	25.01	-8763	8810	0.6212
-pe-	15.00	25.01	-8757	8813	0.6210
-pe-	15.01	25.02	-8756	8810	0.6209
-pe-	15.00	25.02	-8751	8804	0.6203
-pe-	15.01	25.02	-8755	8797	0.6203

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Setpoint No. 1
Setpoint Upper: 15.00 °C
Setpoint Lower: 25.00 °C
Temperature Upper: 15.01 °C
CalibFactor Upper: 0.026016
Results Upper: 0.6197 W/mK
Temperature Lower: 25.02 °C
CalibFactor Lower: 0.025934
Results Lower: 0.6213 W/mK
Percent Difference: 0.25%

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: 55 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	-18129	-3744	0.7882
-te-	9.99	19.99	-11923	5233	0.6124
-te-	10.00	19.99	-9792	7420	0.6138

	10.00	20.00	-9024	8229	0.6145
-te-	10.00	20.01	-8755	8507	0.6146
-te-	10.01	20.01	-8663	8605	0.6148
-te-	10.01	20.01	-8625	8640	0.6146
-pe-	10.00	20.01	-8614	8643	0.6141
-pe-	10.00	20.01	-8603	8646	0.6139
-pe-	10.00	20.01	-8600	8640	0.6136
-pe-	10.00	20.01	-8594	8642	0.6134
-pe-	10.00	20.01	-8593	8636	0.6131
-pe-	10.00	20.01	-8594	8635	0.6133

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Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026312
Results Upper: 0.6157 W/mK
Temperature Lower: 20.01 °C
CalibFactor Lower: 0.025969
Results Lower: 0.6108 W/mK
Percent Difference: 0.80%

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	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.24	15.08	-18026	-3730	0.7980
-te-	4.98	15.00	-11765	5086	0.6059
-te-	4.99	15.00	-9631	7270	0.6061
-te-	5.00	15.00	-8856	8049	0.6058
-te-	5.00	15.01	-8581	8326	0.6056
-te-	5.00	15.01	-8488	8419	0.6056
-te-	5.00	15.01	-8448	8444	0.6050
-pe-	5.00	15.01	-8436	8457	0.6049
-pe-	5.00	15.01	-8425	8451	0.6041
-pe-	5.00	15.01	-8419	8445	0.6037
-pe-	5.00	15.00	-8419	8445	0.6039
-pe-	5.00	15.00	-8425	8445	0.6042

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Setpoint No. 3
Setpoint Upper: 5.00 °C
Setpoint Lower: 15.00 °C
Temperature Upper: 5.00 °C
CalibFactor Upper: 0.026610
Results Upper: 0.6101 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026003
Results Lower: 0.5978 W/mK
Percent Difference: 2.03%

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
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20.01	0.6197	0.6213	0.6205
15.01	0.6157	0.6108	0.6133
10.00	0.6101	0.5978	0.6039