

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

Sample Name: 2023-W1-3  
Thickness: 26.65mm  
Rear Left : 26.64 mm                      Rear Right : 26.80 mm  
Front Left: 26.49 mm                      Front Right: 26.67 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: 50 min

Block Averages for setpoint 1 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	15.72	24.52	-15209	8202	0.9198
-ne-	14.97	24.96	-10677	8069	0.6496
-te-	15.00	25.01	-9492	8985	0.6391
-te-	15.00	25.01	-9263	9222	0.6393
-te-	15.01	25.01	-9195	9297	0.6395
-te-	15.01	25.01	-9178	9316	0.6396
-pe-	15.01	25.01	-9184	9316	0.6398
-pe-	15.00	25.01	-9182	9320	0.6400
-pe-	15.00	25.01	-9175	9327	0.6399
-pe-	15.00	25.01	-9173	9334	0.6401
-pe-	15.00	25.01	-9173	9337	0.6401
-pe-	15.01	25.02	-9175	9330	0.6399

Setpoint No. 1  
Setpoint Upper: 15.00 °C  
Setpoint Lower: 25.00 °C  
Temperature Upper: 15.01 °C  
CalibFactor Upper: 0.026016  
Results Upper: 0.6355 W/mK  
Temperature Lower: 25.01 °C  
CalibFactor Lower: 0.025934  
Results Lower: 0.6446 W/mK  
Percent Difference: 1.41%

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: 59 min

Block Averages for setpoint 2 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	10.19	20.07	-18367	-3519	0.7746
-te-	9.99	20.00	-12075	6055	0.6326
-te-	10.00	20.00	-9992	8176	0.6335

-te-	10.00	20.00	-9324	8861	0.6335
-te-	10.00	20.00	-9119	9087	0.6341
-te-	10.00	20.00	-9068	9143	0.6343
-te-	10.00	20.00	-9051	9168	0.6345
-pe-	10.00	20.00	-9050	9175	0.6348
-pe-	10.00	20.00	-9043	9187	0.6350
-pe-	10.00	20.00	-9037	9195	0.6350
-pe-	10.00	20.00	-9035	9197	0.6350
-pe-	10.00	20.01	-9035	9198	0.6349
-pe-	10.00	20.01	-9032	9197	0.6348
-pe-	10.01	20.01	-9035	9191	0.6346

Wednesday, December 06, 2023, Time 18:24

Setpoint No. 2  
Setpoint Upper: 10.00 °C  
Setpoint Lower: 20.00 °C  
Temperature Upper: 10.01 °C  
CalibFactor Upper: 0.026312  
Results Upper: 0.6333 W/mK  
Temperature Lower: 20.01 °C  
CalibFactor Lower: 0.025969  
Results Lower: 0.6362 W/mK  
Percent Difference: 0.46%

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: 63 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.28	15.08	-18286	-3476	0.7836
-ne-	4.91	14.91	-12086	5786	0.6291
-te-	5.00	15.00	-9771	8171	0.6293
-te-	5.00	15.01	-9171	8786	0.6293
-te-	5.00	15.01	-8988	8970	0.6292
-te-	5.00	15.00	-8934	9027	0.6292
-te-	5.00	15.01	-8928	9033	0.6292
-pe-	5.00	15.00	-8919	9041	0.6292
-pe-	5.00	15.00	-8909	9052	0.6292
-pe-	5.00	15.01	-8908	9052	0.6292
-pe-	5.00	15.01	-8908	9050	0.6291
-pe-	5.00	15.01	-8907	9049	0.6290
-pe-	5.00	15.01	-8906	9046	0.6289
-pe-	5.00	15.01	-8905	9043	0.6287
-pe-	5.00	15.01	-8906	9039	0.6287

Wednesday, December 06, 2023, Time 19:27

Setpoint No. 3  
Setpoint Upper: 5.00 °C  
Setpoint Lower: 15.00 °C  
Temperature Upper: 5.00 °C  
CalibFactor Upper: 0.026610  
Results Upper: 0.6312 W/mK  
Temperature Lower: 15.01 °C  
CalibFactor Lower: 0.026002  
Results Lower: 0.6263 W/mK  
Percent Difference: 0.78%

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	0.6355	0.6446	0.6401
15.01	0.6333	0.6362	0.6348
10.00	0.6312	0.6263	0.6287