

Monday, December 18, 2023, Time 11:01

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 3

Thickness: 28.67mm

Rear Left : 28.63 mm

Rear Right : 28.80 mm

Front Left: 28.52 mm

Front Right: 28.73 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: 76 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	16.22	25.06	-14246	4101	0.7721
-ne-	14.89	24.86	-10094	4441	0.5433
-te-	14.96	24.95	-8129	6081	0.5296
-te-	14.99	24.98	-7585	6676	0.5313
-te-	15.00	25.00	-7350	6959	0.5326
-te-	15.00	25.01	-7252	7087	0.5335
-te-	15.00	25.01	-7218	7125	0.5337
-pe-	15.00	25.01	-7201	7150	0.5340
-pe-	15.00	25.01	-7186	7169	0.5342
-pe-	15.00	25.01	-7185	7173	0.5342
-pe-	15.00	25.01	-7185	7170	0.5341
-pe-	15.00	25.01	-7183	7167	0.5339
-pe-	15.00	25.01	-7182	7169	0.5340
-pe-	15.00	25.01	-7180	7171	0.5339
-pe-	15.01	25.01	-7179	7172	0.5339
-pe-	15.01	25.02	-7178	7169	0.5336
-pe-	15.01	25.02	-7175	7167	0.5334
-pe-	15.01	25.02	-7175	7165	0.5334

Monday, December 18, 2023, Time 12:17

Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.01 °C

CalibFactor Upper: 0.026016

Results Upper: 0.5347 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.5323 W/mK

Percent Difference: 0.44%

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 2 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	10.16	20.07	-16402	-5081	0.8147
-te-	9.99	19.99	-10653	2943	0.5111
-te-	10.00	19.99	-8756	5035	0.5181
-te-	10.00	20.00	-7866	6056	0.5223
-te-	10.00	20.00	-7442	6547	0.5244
-te-	10.00	20.00	-7240	6782	0.5255
-te-	10.00	20.01	-7136	6904	0.5260
-te-	10.00	20.01	-7085	6961	0.5263
-te-	10.00	20.00	-7057	6988	0.5263
-pe-	10.00	20.00	-7048	6998	0.5263
-pe-	10.00	20.00	-7038	7008	0.5263
-pe-	10.00	20.00	-7034	7015	0.5264
-pe-	10.00	20.00	-7029	7022	0.5265
-pe-	10.00	20.00	-7027	7025	0.5266
-pe-	10.00	20.01	-7029	7018	0.5264

Monday, December 18, 2023, Time 13:21

Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026312
Results Upper: 0.5302 W/mK
Temperature Lower: 20.00 °C
CalibFactor Lower: 0.025969
Results Lower: 0.5228 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: 67 min

Block Averages for setpoint 3 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.22	15.07	-16217	-5014	0.8172
-te-	4.99	14.99	-10477	2855	0.5056
-te-	4.99	15.00	-8606	4940	0.5121
-te-	5.00	15.00	-7731	5916	0.5152
-te-	5.00	15.00	-7315	6416	0.5179
-te-	5.00	15.01	-7109	6645	0.5186
-te-	5.00	15.01	-7012	6764	0.5193
-te-	5.00	15.01	-6956	6815	0.5192
-te-	5.00	15.01	-6925	6847	0.5192
-pe-	5.00	15.01	-6913	6859	0.5190
-pe-	5.00	15.00	-6893	6868	0.5186
-pe-	5.00	15.01	-6883	6872	0.5184
-pe-	5.00	15.01	-6879	6869	0.5181
-pe-	5.00	15.01	-6876	6864	0.5178
-pe-	5.00	15.01	-6875	6862	0.5177
-pe-	5.00	15.01	-6877	6857	0.5176

Monday, December 18, 2023, Time 14:29

Setpoint No. 3
Setpoint Upper: 5.00 °C
Setpoint Lower: 15.00 °C
Temperature Upper: 5.00 °C
CalibFactor Upper: 0.026610
Results Upper: 0.5242 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026002
Results Lower: 0.5111 W/mK
Percent Difference: 2.52%

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	0.5347	0.5323	0.5335
15.00	0.5302	0.5228	0.5265
10.00	0.5242	0.5111	0.5177