

Tuesday, November 09, 2021, Time 15:20

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: OSa.48.48.4#2

Thickness: 26.94mm

Rear Left : 26.97 mm

Rear Right : 26.82 mm

Front Left: 27.05 mm

Front Right: 26.90 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-	15.93	24.39	-11171	4349	0.6414
-ne-	14.97	24.94	-7552	2822	0.3642
-te-	15.00	25.01	-6348	3381	0.3402
-te-	15.00	25.01	-5772	3706	0.3314
-te-	15.00	25.01	-5416	3912	0.3261
-te-	15.00	25.01	-5182	4043	0.3225
-te-	15.00	25.01	-5046	4125	0.3206
-te-	15.01	25.01	-4958	4177	0.3193
-te-	15.01	25.02	-4901	4209	0.3184
-te-	15.01	25.01	-4869	4226	0.3179
-pe-	15.00	25.01	-4854	4234	0.3177
-pe-	15.00	25.01	-4837	4244	0.3173
-pe-	15.00	25.01	-4824	4252	0.3172
-pe-	15.00	25.01	-4819	4255	0.3172
-pe-	15.00	25.01	-4816	4255	0.3170
-pe-	15.00	25.01	-4813	4258	0.3171
-pe-	15.00	25.01	-4810	4260	0.3171
-pe-	15.01	25.01	-4811	4259	0.3171

Tuesday, November 09, 2021, Time 16:36

Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.00 °C

CalibFactor Upper: 0.026016

Results Upper: 0.3369 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.2973 W/mK

Percent Difference: 12.50%

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: 76 min

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.25	20.11	-13133	-2581	0.5631
-te-	9.99	19.97	-8490	2023	0.3722
-te-	10.00	20.00	-7147	2750	0.3493
-te-	10.00	20.00	-6262	3265	0.3360
-te-	10.00	20.00	-5693	3596	0.3275
-te-	10.00	20.00	-5335	3804	0.3221
-te-	10.00	20.00	-5104	3937	0.3186
-te-	10.00	20.01	-4961	4020	0.3164
-te-	10.01	20.01	-4872	4069	0.3150
-te-	10.00	20.00	-4816	4099	0.3140
-te-	10.00	20.01	-4779	4122	0.3135
-pe-	10.00	20.00	-4764	4133	0.3133
-pe-	10.00	20.00	-4750	4139	0.3130
-pe-	10.00	20.00	-4738	4148	0.3129
-pe-	10.00	20.00	-4730	4148	0.3126
-pe-	10.00	20.00	-4721	4153	0.3125
-pe-	10.00	20.01	-4720	4152	0.3125
-pe-	10.00	20.01	-4720	4153	0.3125

Tuesday, November 09, 2021, Time 17:53

Setpoint No. 2
 Setpoint Upper: 10.00 °C
 Setpoint Lower: 20.00 °C
 Temperature Upper: 10.00 °C
 CalibFactor Upper: 0.026312
 Results Upper: 0.3345 W/mK
 Temperature Lower: 20.00 °C
 CalibFactor Lower: 0.025969
 Results Lower: 0.2905 W/mK
 Percent Difference: 14.10%

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: 80 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.36	15.18	-12865	-2499	0.5582
-ne-	4.91	14.87	-8467	1846	0.3696
-te-	4.99	15.00	-7004	2730	0.3464
-te-	5.00	15.00	-6139	3201	0.3319
-te-	5.00	15.00	-5584	3518	0.3232
-te-	5.00	15.00	-5231	3720	0.3176
-te-	5.00	15.00	-5003	3849	0.3140
-te-	5.00	15.01	-4869	3926	0.3118
-te-	5.00	15.01	-4780	3976	0.3104
-te-	5.00	15.00	-4724	4007	0.3095
-te-	5.00	15.01	-4685	4032	0.3090
-pe-	5.00	15.01	-4677	4030	0.3085
-pe-	5.00	15.00	-4660	4039	0.3083
-pe-	5.00	15.00	-4647	4047	0.3081
-pe-	5.00	15.00	-4641	4049	0.3079
-pe-	5.00	15.00	-4635	4055	0.3079
-pe-	5.00	15.00	-4633	4055	0.3079
-pe-	5.00	15.00	-4630	4056	0.3078
-pe-	5.00	15.00	-4632	4055	0.3079

Tuesday, November 09, 2021, Time 19:13

Setpoint No. 3
 Setpoint Upper: 5.00 °C
 Setpoint Lower: 15.00 °C
 Temperature Upper: 5.00 °C

CalibFactor Upper:	0.026610	
Results Upper:	0.3318	W/mK
Temperature Lower:	15.00	°C
CalibFactor Lower:	0.026003	
Results Lower:	0.2839	W/mK
Percent Difference:	15.56%	

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

Results Table -- SI Units

Mean Temp	Upper Cond	Lower Cond	Average Cond
20.01	0.3369	0.2973	0.3171
15.00	0.3345	0.2905	0.3125
10.00	0.3318	0.2839	0.3079