

Friday, November 19, 2021, Time 14:36

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.50.50.0.L8#2

Thickness: 29.92mm

Rear Left : 29.95 mm

Rear Right : 30.00 mm

Front Left: 29.84 mm

Front Right: 29.90 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: 67 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.95	24.42	-8623	5570	0.6506
-ne-	14.96	24.99	-5481	3446	0.3460
-te-	14.99	25.00	-4749	3623	0.3252
-te-	15.00	25.01	-4538	3789	0.3234
-te-	15.01	25.01	-4390	3903	0.3220
-te-	15.01	25.01	-4298	3968	0.3210
-te-	15.01	25.02	-4236	4014	0.3203
-te-	15.01	25.02	-4199	4038	0.3198
-pe-	15.00	25.01	-4184	4050	0.3197
-pe-	15.00	25.01	-4164	4066	0.3196
-pe-	15.00	25.01	-4152	4073	0.3193
-pe-	15.00	25.01	-4146	4078	0.3192
-pe-	15.00	25.01	-4140	4082	0.3192
-pe-	15.00	25.01	-4137	4084	0.3192
-pe-	15.00	25.01	-4137	4083	0.3191
-pe-	15.01	25.01	-4138	4082	0.3192

Friday, November 19, 2021, Time 15:44

Setpoint No.	1	
Setpoint Upper:	15.00	°C
Setpoint Lower:	25.00	°C
Temperature Upper:	15.00	°C
CalibFactor Upper:	0.026016	
Results Upper:	0.3218	W/mK
Temperature Lower:	25.01	°C
CalibFactor Lower:	0.025934	
Results Lower:	0.3166	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: 89 min

Block Averages for setpoint 2 in SI units

Tupper	Tlower	Qupper	Qlower	Lambda
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	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	10.33	20.18	-12082	-2978	0.5996
-ne-	9.86	19.83	-7745	1178	0.3518
-te-	9.99	19.98	-6321	2339	0.3402
-te-	10.00	20.00	-5566	2886	0.3312
-te-	10.00	20.00	-5055	3269	0.3260
-te-	10.00	20.00	-4710	3530	0.3225
-te-	10.00	20.00	-4485	3703	0.3204
-te-	10.00	20.00	-4340	3815	0.3190
-te-	10.00	20.01	-4244	3888	0.3181
-te-	10.00	20.01	-4181	3935	0.3174
-te-	10.00	20.00	-4141	3966	0.3171
-pe-	10.00	20.00	-4123	3979	0.3168
-pe-	10.00	20.00	-4102	3995	0.3166
-pe-	10.00	20.00	-4086	4006	0.3164
-pe-	10.00	20.00	-4077	4014	0.3163
-pe-	10.00	20.01	-4076	4013	0.3163
-pe-	10.00	20.00	-4073	4016	0.3163
-pe-	10.00	20.00	-4070	4017	0.3162
-pe-	10.00	20.00	-4069	4018	0.3162
-pe-	10.00	20.00	-4067	4020	0.3162
-pe-	10.00	20.01	-4068	4019	0.3162

Friday, November 19, 2021, Time 17:13

Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026312
Results Upper: 0.3202 W/mK
Temperature Lower: 20.00 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3122 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

Setpoint duration: 84 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.46	15.32	-11730	-2806	0.5837
-ne-	4.85	14.83	-7649	1114	0.3487
-te-	4.99	14.98	-6231	2292	0.3376
-te-	4.99	15.00	-5485	2825	0.3281
-te-	5.00	15.00	-4969	3211	0.3226
-te-	5.00	15.00	-4637	3461	0.3191
-te-	5.00	15.00	-4416	3631	0.3169
-te-	5.00	15.00	-4273	3738	0.3154
-te-	5.00	15.00	-4181	3807	0.3144
-te-	5.00	15.00	-4122	3853	0.3138
-te-	5.00	15.00	-4079	3886	0.3134
-pe-	5.00	15.00	-4063	3900	0.3133
-pe-	4.99	15.00	-4042	3914	0.3130
-pe-	5.00	15.00	-4028	3926	0.3129
-pe-	5.00	15.00	-4020	3931	0.3128
-pe-	5.00	15.00	-4017	3933	0.3128
-pe-	5.00	15.00	-4012	3937	0.3128
-pe-	5.00	15.01	-4010	3939	0.3127
-pe-	5.00	15.00	-4009	3940	0.3127
-pe-	5.00	15.01	-4010	3937	0.3126

Friday, November 19, 2021, Time 18:38

Setpoint No. 3
Setpoint Upper: 5.00 °C

Setpoint Lower: 15.00 °C
Temperature Upper: 5.00 °C
CalibFactor Upper: 0.026610
Results Upper: 0.3191 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026002
Results Lower: 0.3063 W/mK
Percent Difference: 4.08%

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	0.3218	0.3166	0.3192
15.00	0.3202	0.3122	0.3162
10.00	0.3191	0.3063	0.3127