

Thursday, December 02, 2021, Time 09:20

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.50.50.0.O#2

Thickness: 28.96mm

Rear Left : 29.11 mm

Rear Right : 29.16 mm

Front Left: 28.75 mm

Front Right: 28.80 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-	15.55	24.25	-7670	7180	0.6418
-ne-	14.99	24.98	-5208	3851	0.3413
-te-	15.00	25.01	-4752	3943	0.3268
-te-	15.00	25.01	-4594	4041	0.3246
-te-	15.00	25.01	-4496	4111	0.3234
-te-	15.00	25.01	-4432	4162	0.3229
-te-	15.01	25.02	-4385	4190	0.3222
-pe-	15.00	25.01	-4367	4200	0.3219
-pe-	15.00	25.01	-4347	4219	0.3218
-pe-	15.00	25.01	-4329	4226	0.3214
-pe-	15.00	25.01	-4320	4233	0.3214
-pe-	15.01	25.02	-4313	4237	0.3212
-pe-	15.01	25.02	-4308	4239	0.3211
-pe-	15.01	25.02	-4304	4240	0.3210
-pe-	15.01	25.02	-4302	4238	0.3209
-pe-	15.01	25.02	-4304	4235	0.3209

Thursday, December 02, 2021, Time 10:28

Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.01 °C

CalibFactor Upper: 0.026016

Results Upper: 0.3239 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3179 W/mK

Percent Difference: 1.85%

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 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.15	20.07	-12342	-3048	0.5893
-te-	10.00	20.00	-7704	1668	0.3561
-te-	10.00	20.00	-6524	2479	0.3418
-te-	10.00	20.00	-5726	3058	0.3331
-te-	10.00	20.00	-5208	3441	0.3277
-te-	10.00	20.00	-4874	3683	0.3241
-te-	10.00	20.01	-4645	3850	0.3217
-te-	10.00	20.00	-4497	3956	0.3200
-te-	10.00	20.01	-4402	4023	0.3189
-te-	10.00	20.01	-4340	4067	0.3182
-te-	10.00	20.01	-4297	4100	0.3178
-pe-	10.00	20.00	-4278	4111	0.3175
-pe-	10.00	20.00	-4255	4127	0.3172
-pe-	10.00	20.00	-4242	4138	0.3171
-pe-	10.00	20.00	-4229	4148	0.3170
-pe-	10.00	20.00	-4225	4150	0.3169
-pe-	10.00	20.00	-4225	4149	0.3169
-pe-	10.00	20.00	-4222	4153	0.3169
-pe-	10.00	20.00	-4224	4152	0.3170

Thursday, December 02, 2021, Time 11:49

Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026313
Results Upper: 0.3218 W/mK
Temperature Lower: 20.00 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3121 W/mK
Percent Difference: 3.04%

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: 101 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.23	15.08	-12086	-3012	0.5876
-te-	4.99	14.99	-7564	1637	0.3529
-te-	4.99	15.00	-6404	2428	0.3379
-te-	5.00	15.00	-5624	2991	0.3291
-te-	5.00	15.01	-5112	3368	0.3236
-te-	5.00	15.01	-4779	3608	0.3198
-te-	5.00	15.01	-4564	3764	0.3174
-te-	5.00	15.01	-4422	3866	0.3157
-te-	5.00	15.01	-4328	3931	0.3145
-te-	5.00	15.01	-4265	3976	0.3138
-te-	5.00	15.01	-4226	4004	0.3134
-pe-	5.00	15.00	-4210	4016	0.3132
-pe-	4.99	15.00	-4187	4033	0.3129
-pe-	4.99	15.00	-4174	4044	0.3129
-pe-	5.00	15.00	-4166	4050	0.3128
-pe-	5.00	15.01	-4164	4052	0.3128
-pe-	5.00	15.00	-4157	4058	0.3128
-pe-	5.00	15.00	-4156	4058	0.3127
-pe-	5.00	15.01	-4152	4060	0.3127

-pe-	5.00	15.01	-4152	4060	0.3126
-pe-	5.00	15.01	-4150	4060	0.3125
-pe-	5.00	15.00	-4149	4060	0.3125
-pe-	5.00	15.01	-4149	4060	0.3125
-pe-	5.00	15.00	-4152	4056	0.3125

Thursday, December 02, 2021, Time 13:31

Setpoint No.	3	
Setpoint Upper:	5.00	°C
Setpoint Lower:	15.00	°C
Temperature Upper:	5.00	°C
CalibFactor Upper:	0.026610	
Results Upper:	0.3196	W/mK
Temperature Lower:	15.00	°C
CalibFactor Lower:	0.026003	
Results Lower:	0.3054	W/mK
Percent Difference:	4.53%	

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	0.3239	0.3179	0.3209
15.00	0.3218	0.3121	0.3170
10.00	0.3196	0.3054	0.3125