

Thursday, January 05, 2023, Time 15:19

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: rec-s3-2023-01-05

Thickness: 28.94mm

Rear Left : 29.36 mm Rear Right : 29.26 mm

Front Left: 28.63 mm Front Right: 28.52 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: 59 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.34	24.10	-5309	8536	0.5933
-ne-	15.00	25.00	-4274	5330	0.3611
-te-	15.01	25.02	-4270	5050	0.3499
-te-	15.00	25.01	-4332	4955	0.3488
-te-	15.00	25.01	-4372	4897	0.3481
-te-	15.01	25.01	-4398	4865	0.3479
-pe-	15.01	25.02	-4413	4846	0.3477
-pe-	15.01	25.02	-4423	4827	0.3473
-pe-	15.01	25.02	-4430	4813	0.3471
-pe-	15.01	25.02	-4435	4804	0.3469
-pe-	15.01	25.02	-4437	4796	0.3467
-pe-	15.01	25.02	-4437	4794	0.3466
-pe-	15.01	25.02	-4437	4791	0.3466
-pe-	15.01	25.02	-4435	4793	0.3465

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Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.01 °C

CalibFactor Upper: 0.026016

Results Upper: 0.3337 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3594 W/mK

Percent Difference: 7.40%

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-	10.13	20.07	-10190	-4157	0.5474

-te-	10.00	20.00	-7182	634	0.2972
-te-	10.00	20.00	-6252	1954	0.3116
-te-	10.00	20.00	-5598	2878	0.3214
-te-	10.00	20.00	-5159	3502	0.3280
-te-	10.00	20.00	-4868	3913	0.3324
-te-	10.01	20.01	-4682	4179	0.3352
-te-	10.01	20.01	-4555	4355	0.3371
-te-	10.01	20.01	-4470	4468	0.3381
-te-	10.00	20.01	-4419	4543	0.3390
-te-	10.01	20.01	-4387	4586	0.3394
-pe-	10.00	20.00	-4367	4609	0.3394
-pe-	10.00	20.00	-4350	4632	0.3397
-pe-	10.00	20.00	-4339	4650	0.3400
-pe-	10.00	20.00	-4332	4656	0.3398
-pe-	10.00	20.00	-4328	4663	0.3400
-pe-	10.00	20.00	-4324	4669	0.3400
-pe-	10.00	20.00	-4324	4667	0.3400
-pe-	10.00	20.01	-4324	4667	0.3400

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Setpoint No.2
Setpoint Upper:10.00°C
Setpoint Lower:20.00°C
Temperature Upper:10.00°C
CalibFactor Upper:0.026312
Results Upper:0.3293 W/mK
Temperature Lower:20.00°C
CalibFactor Lower:0.025969
Results Lower:0.3508 W/mK
Percent Difference:6.33%

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	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.22	15.07	-9883	-4126	0.5442
-te-	4.99	15.00	-7031	600	0.2932
-te-	5.00	15.00	-6120	1882	0.3064
-te-	5.00	15.00	-5479	2794	0.3160
-te-	5.00	15.00	-5049	3406	0.3224
-te-	5.00	15.00	-4766	3810	0.3268
-te-	5.00	15.01	-4578	4077	0.3296
-te-	5.00	15.01	-4456	4252	0.3314
-te-	5.00	15.01	-4384	4356	0.3325
-te-	5.00	15.00	-4330	4428	0.3332
-te-	5.00	15.01	-4295	4481	0.3338
-te-	5.00	15.00	-4273	4509	0.3341
-pe-	4.99	15.00	-4266	4517	0.3341
-pe-	5.00	15.00	-4257	4531	0.3343
-pe-	5.00	15.00	-4246	4544	0.3344
-pe-	5.00	15.00	-4239	4555	0.3345
-pe-	5.00	15.00	-4236	4560	0.3346
-pe-	5.00	15.00	-4236	4562	0.3346
-pe-	5.00	15.01	-4235	4562	0.3346
-pe-	5.00	15.00	-4237	4561	0.3346

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Setpoint No.3
Setpoint Upper:5.00°C
Setpoint Lower:15.00°C
Temperature Upper:5.00°C
CalibFactor Upper:0.026610
Results Upper:0.3261 W/mK

Temperature Lower: 15.00 °C
CalibFactor Lower: 0.026003
Results Lower: 0.3431 W/mK
Percent Difference: 5.09%

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	0.3337	0.3594	0.3466
15.00	0.3293	0.3508	0.3400
10.00	0.3261	0.3431	0.3346