

Thursday, December 09, 2021, Time 19:31

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: OSa.50.50.0.W#1

Thickness: 30.88mm

Rear Left : 30.73 mm

Rear Right : 30.84 mm

Front Left: 30.94 mm

Front Right: 31.01 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-	15.47	24.13	-5738	8464	0.6570
-ne-	15.00	24.98	-4080	4819	0.3576
-te-	15.00	25.01	-4011	4560	0.3434
-te-	15.00	25.01	-4075	4479	0.3428
-te-	15.01	25.01	-4129	4418	0.3425
-te-	15.01	25.01	-4159	4383	0.3423
-pe-	15.01	25.02	-4179	4363	0.3424
-pe-	15.01	25.02	-4199	4343	0.3423
-pe-	15.01	25.02	-4213	4330	0.3422
-pe-	15.01	25.02	-4222	4317	0.3421
-pe-	15.01	25.02	-4231	4307	0.3421
-pe-	15.01	25.02	-4236	4299	0.3420
-pe-	15.01	25.02	-4242	4295	0.3421
-pe-	15.00	25.01	-4238	4300	0.3421

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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: 0.3402 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3439 W/mK

Percent Difference: 1.08%

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

Setpoint duration: 89 min

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.09	20.05	-11458	-3811	0.6205

-te-	10.00	20.00	-7357	1023	0.3396
-te-	10.00	20.00	-6410	1949	0.3386
-te-	10.00	20.00	-5744	2599	0.3377
-te-	10.00	20.00	-5279	3067	0.3374
-te-	10.00	20.01	-4958	3386	0.3371
-te-	10.00	20.00	-4725	3617	0.3370
-te-	10.00	20.00	-4567	3772	0.3367
-te-	10.00	20.01	-4451	3890	0.3368
-te-	10.00	20.01	-4375	3970	0.3368
-te-	10.01	20.01	-4310	4030	0.3367
-te-	10.01	20.01	-4263	4074	0.3365
-pe-	10.00	20.00	-4244	4093	0.3365
-pe-	10.00	20.00	-4218	4121	0.3365
-pe-	10.00	20.00	-4197	4141	0.3365
-pe-	10.00	20.00	-4178	4154	0.3362
-pe-	10.00	20.00	-4169	4162	0.3362
-pe-	10.00	20.00	-4163	4169	0.3362
-pe-	10.00	20.00	-4157	4175	0.3362
-pe-	10.00	20.01	-4155	4176	0.3362
-pe-	10.01	20.01	-4155	4172	0.3361

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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: 0.3376 W/mK
Temperature Lower: 20.01 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3347 W/mK
Percent Difference: 0.86%

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: 93 min

Block Averages for setpoint 3 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.18	15.05	-11158	-3783	0.6179
-te-	4.99	15.00	-7230	988	0.3365
-te-	5.00	15.00	-6301	1874	0.3339
-te-	5.00	15.00	-5647	2520	0.3331
-te-	5.00	15.00	-5188	2976	0.3325
-te-	5.00	15.00	-4869	3297	0.3322
-te-	5.00	15.00	-4648	3516	0.3319
-te-	5.00	15.00	-4485	3678	0.3318
-te-	5.00	15.01	-4377	3788	0.3317
-te-	5.00	15.00	-4297	3866	0.3316
-te-	5.00	15.01	-4238	3929	0.3317
-te-	5.00	15.00	-4195	3970	0.3316
-pe-	5.00	15.00	-4175	3991	0.3316
-pe-	4.99	15.00	-4149	4016	0.3315
-pe-	4.99	15.00	-4130	4036	0.3316
-pe-	5.00	15.00	-4117	4050	0.3316
-pe-	5.00	15.00	-4109	4059	0.3316
-pe-	5.00	15.00	-4104	4062	0.3315
-pe-	5.00	15.00	-4097	4070	0.3315
-pe-	5.00	15.00	-4094	4074	0.3316
-pe-	5.00	15.00	-4091	4075	0.3315
-pe-	5.00	15.01	-4093	4073	0.3315

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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: 0.3361 W/mK
Temperature Lower: 15.00 °C
CalibFactor Lower: 0.026003
Results Lower: 0.3269 W/mK
Percent Difference: 2.77%

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	0.3402	0.3439	0.3421
15.00	0.3376	0.3347	0.3361
10.00	0.3361	0.3269	0.3315