

Friday, November 26, 2021, Time 09:12

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.50.50.0.B#1

Thickness: 28.43mm

Rear Left : 28.37 mm

Rear Right : 28.45 mm

Front Left: 28.40 mm

Front Right: 28.50 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: 55 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	16.26	24.54	-7492	6921	0.6418
-ne-	14.95	24.95	-4837	5069	0.3655
-te-	14.99	24.99	-4561	5025	0.3538
-te-	15.00	25.00	-4646	4936	0.3535
-te-	15.00	25.00	-4683	4887	0.3532
-pe-	15.00	25.01	-4700	4865	0.3529
-pe-	15.00	25.01	-4718	4844	0.3528
-pe-	15.00	25.01	-4731	4830	0.3527
-pe-	15.00	25.01	-4738	4820	0.3526
-pe-	15.00	25.01	-4743	4817	0.3528
-pe-	15.00	25.01	-4745	4817	0.3528
-pe-	15.01	25.02	-4752	4807	0.3527
-pe-	15.01	25.01	-4750	4810	0.3527

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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: 0.3510 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3545 W/mK

Percent Difference: 0.99%

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 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	10.25	20.16	-11747	-4272	0.6026
-te-	9.98	19.94	-7326	1065	0.3145
-te-	10.00	19.99	-6385	2384	0.3269
-te-	10.00	20.00	-5767	3209	0.3341
-te-	10.00	20.00	-5372	3728	0.3386
-te-	10.00	20.00	-5121	4064	0.3416
-te-	10.00	20.00	-4960	4276	0.3433
-te-	10.00	20.00	-4856	4414	0.3446
-te-	10.00	20.01	-4791	4505	0.3454
-te-	10.00	20.01	-4751	4554	0.3458
-pe-	10.00	20.00	-4732	4579	0.3460
-pe-	10.00	20.00	-4707	4610	0.3462
-pe-	10.00	20.00	-4687	4635	0.3464
-pe-	10.00	20.00	-4681	4646	0.3466
-pe-	10.00	20.00	-4675	4653	0.3466
-pe-	10.00	20.00	-4671	4659	0.3467
-pe-	10.00	20.01	-4670	4660	0.3466
-pe-	10.00	20.00	-4668	4662	0.3466
-pe-	10.00	20.00	-4667	4663	0.3467
-pe-	10.00	20.01	-4668	4662	0.3466
-pe-	10.00	20.01	-4666	4663	0.3466
-pe-	10.00	20.01	-4667	4662	0.3466

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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: 0.3490 W/mK
Temperature Lower: 20.01 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3442 W/mK
Percent Difference: 1.41%

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 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.37	15.24	-11567	-4165	0.5992
-ne-	4.88	14.84	-7318	771	0.3068
-te-	4.99	14.99	-6232	2385	0.3241
-te-	5.00	15.00	-5653	3135	0.3296
-te-	5.00	15.00	-5274	3644	0.3341
-te-	5.00	15.00	-5034	3960	0.3367
-te-	5.00	15.00	-4878	4171	0.3385
-te-	5.00	15.00	-4783	4303	0.3398
-te-	5.00	15.01	-4715	4390	0.3404
-te-	5.00	15.01	-4675	4442	0.3408
-te-	5.00	15.01	-4646	4477	0.3410
-pe-	5.00	15.00	-4637	4491	0.3412
-pe-	5.00	15.00	-4623	4507	0.3413
-pe-	5.00	15.00	-4613	4520	0.3414
-pe-	5.00	15.00	-4608	4526	0.3415
-pe-	5.00	15.00	-4605	4533	0.3416
-pe-	5.00	15.00	-4605	4534	0.3416
-pe-	5.00	15.00	-4606	4533	0.3416

Setpoint No. 3
 Setpoint Upper: 5.00 °C
 Setpoint Lower: 15.00 °C
 Temperature Upper: 5.00 °C
 CalibFactor Upper: 0.026610
 Results Upper: 0.3483 W/mK
 Temperature Lower: 15.00 °C
 CalibFactor Lower: 0.026003
 Results Lower: 0.3350 W/mK
 Percent Difference: 3.89%

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	0.3510	0.3545	0.3527
15.00	0.3490	0.3442	0.3466
10.00	0.3483	0.3350	0.3416