

Monday, November 22, 2021, Time 09:43

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.50.50.0.L4#1

Thickness: 29.53mm

Rear Left : 29.54 mm

Rear Right : 29.59 mm

Front Left: 29.46 mm

Front Right: 29.54 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-	16.32	24.70	-9063	5174	0.6505
-ne-	14.94	25.04	-5945	3671	0.3653
-te-	14.98	24.98	-5093	3929	0.3463
-te-	15.00	25.00	-4882	4132	0.3457
-te-	15.00	25.01	-4731	4267	0.3448
-te-	15.00	25.01	-4629	4332	0.3435
-te-	15.00	25.01	-4575	4376	0.3431
-te-	15.00	25.01	-4531	4407	0.3426
-pe-	15.00	25.01	-4517	4419	0.3425
-pe-	15.00	25.01	-4499	4437	0.3425
-pe-	15.00	25.01	-4485	4449	0.3424
-pe-	15.00	25.01	-4478	4454	0.3423
-pe-	15.00	25.01	-4474	4458	0.3423
-pe-	15.00	25.01	-4470	4462	0.3423
-pe-	15.00	25.01	-4469	4461	0.3423
-pe-	15.01	25.02	-4470	4459	0.3422

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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: 0.3431 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3414 W/mK

Percent Difference: 0.51%

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-	10.32	20.19	-12641	-3001	0.6143
-ne-	9.87	19.83	-8125	1381	0.3703
-te-	9.99	19.98	-6645	2644	0.3601
-te-	10.00	20.00	-5872	3212	0.3513
-te-	10.00	20.00	-5348	3611	0.3463
-te-	10.00	20.00	-5013	3876	0.3434
-te-	10.00	20.00	-4795	4044	0.3413
-te-	10.00	20.00	-4646	4157	0.3399
-te-	10.00	20.01	-4557	4231	0.3393
-te-	10.00	20.01	-4493	4277	0.3386
-te-	10.00	20.01	-4458	4308	0.3384
-pe-	10.00	20.00	-4440	4319	0.3380
-pe-	10.00	20.00	-4417	4338	0.3379
-pe-	10.00	20.00	-4406	4349	0.3379
-pe-	10.00	20.00	-4397	4354	0.3378
-pe-	10.00	20.01	-4389	4359	0.3376
-pe-	10.00	20.01	-4385	4361	0.3375
-pe-	10.00	20.01	-4384	4362	0.3376
-pe-	10.00	20.01	-4380	4364	0.3375
-pe-	10.00	20.00	-4378	4367	0.3375
-pe-	10.01	20.01	-4383	4360	0.3375

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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: 0.3403 W/mK
Temperature Lower: 20.01 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3346 W/mK
Percent Difference: 1.69%

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	-12362	-2838	0.6028
-ne-	4.85	14.83	-8050	1323	0.3681
-te-	4.99	14.97	-6562	2563	0.3567
-te-	4.99	15.00	-5798	3134	0.3481
-te-	5.00	15.00	-5280	3535	0.3431
-te-	5.00	15.00	-4940	3792	0.3396
-te-	5.00	15.01	-4722	3965	0.3376
-te-	5.00	15.00	-4584	4068	0.3362
-te-	5.00	15.00	-4490	4143	0.3354
-te-	5.00	15.00	-4437	4187	0.3349
-te-	5.00	15.01	-4388	4219	0.3343
-pe-	5.00	15.00	-4375	4235	0.3343
-pe-	4.99	15.00	-4356	4246	0.3340
-pe-	5.00	15.00	-4343	4254	0.3338
-pe-	5.00	15.00	-4332	4262	0.3337
-pe-	5.00	15.00	-4328	4268	0.3338
-pe-	5.00	15.01	-4323	4271	0.3337
-pe-	5.00	15.01	-4322	4268	0.3335
-pe-	5.00	15.00	-4322	4268	0.3335
-pe-	5.00	15.00	-4322	4267	0.3335

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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: 0.3395 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026003
Results Lower: 0.3276 W/mK
Percent Difference: 3.58%

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	0.3431	0.3414	0.3423
15.01	0.3403	0.3346	0.3375
10.00	0.3395	0.3276	0.3335