

Thursday, December 02, 2021, Time 14:54

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE\_OSa.50.50.0.O#3

Thickness: 29.68mm

Rear Left : 29.74 mm

Rear Right : 29.69 mm

Front Left: 29.67 mm

Front Right: 29.62 mm

[ ]

[ ]

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-	15.57	24.13	-6980	8067	0.6778
-ne-	15.00	24.98	-4859	4681	0.3686
-te-	15.00	25.01	-4631	4602	0.3556
-te-	15.01	25.01	-4589	4615	0.3545
-pe-	15.00	25.01	-4574	4625	0.3543
-pe-	15.00	25.01	-4551	4639	0.3540
-pe-	15.00	25.01	-4540	4651	0.3540
-pe-	15.00	25.01	-4525	4661	0.3537
-pe-	15.00	25.02	-4523	4662	0.3537
-pe-	15.00	25.01	-4518	4663	0.3536
-pe-	15.01	25.02	-4518	4665	0.3536
-pe-	15.01	25.02	-4514	4666	0.3535
-pe-	15.01	25.02	-4514	4661	0.3533

Thursday, December 02, 2021, Time 15:49

Setpoint No. 1

Setpoint Upper: 15.00 °C

Setpoint Lower: 25.00 °C

Temperature Upper: 15.01 °C

CalibFactor Upper: 0.026016

Results Upper: 0.3483 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3586 W/mK

Percent Difference: 2.92%

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: 110 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	-12625	-3164	0.6197
-te-	10.00	20.00	-7932	1826	0.3799
-te-	10.00	20.00	-6759	2702	0.3682
-te-	10.00	20.00	-5961	3329	0.3611
-te-	10.00	20.00	-5437	3755	0.3570
-te-	10.00	20.00	-5096	4029	0.3542
-te-	10.00	20.00	-4873	4209	0.3525
-te-	10.00	20.00	-4720	4325	0.3509
-te-	10.00	20.00	-4626	4408	0.3505
-te-	10.00	20.01	-4561	4464	0.3500
-te-	10.00	20.00	-4523	4489	0.3496
-pe-	10.00	20.00	-4504	4506	0.3494
-pe-	10.00	20.00	-4480	4526	0.3493
-pe-	10.00	20.00	-4468	4536	0.3492
-pe-	10.00	20.00	-4460	4541	0.3491
-pe-	10.00	20.00	-4451	4549	0.3490
-pe-	10.00	20.01	-4448	4551	0.3490
-pe-	10.01	20.01	-4445	4549	0.3488
-pe-	10.00	20.01	-4439	4555	0.3488
-pe-	10.00	20.01	-4439	4556	0.3488
-pe-	10.00	20.01	-4435	4556	0.3486
-pe-	10.01	20.01	-4433	4555	0.3486
-pe-	10.01	20.01	-4433	4554	0.3485
-pe-	10.00	20.00	-4431	4556	0.3485
-pe-	10.00	20.01	-4430	4554	0.3484
-pe-	10.01	20.01	-4435	4551	0.3485

Thursday, December 02, 2021, Time 17:40

Setpoint No. 2  
Setpoint Upper: 10.00 °C  
Setpoint Lower: 20.00 °C  
Temperature Upper: 10.00 °C  
CalibFactor Upper: 0.026312  
Results Upper: 0.3460 W/mK  
Temperature Lower: 20.01 °C  
CalibFactor Lower: 0.025969  
Results Lower: 0.3509 W/mK  
Percent Difference: 1.39%

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-	5.25	15.09	-12401	-3133	0.6204
-te-	4.99	15.00	-7806	1767	0.3763
-te-	4.99	15.00	-6648	2625	0.3636
-te-	5.00	15.00	-5868	3248	0.3568
-te-	4.99	15.00	-5351	3660	0.3523
-te-	5.00	15.00	-5011	3930	0.3494
-te-	5.00	15.00	-4794	4110	0.3477
-te-	5.00	15.00	-4645	4231	0.3465
-te-	5.00	15.01	-4558	4297	0.3456
-te-	5.00	15.00	-4489	4353	0.3451
-te-	5.00	15.00	-4449	4386	0.3448
-pe-	5.00	15.00	-4430	4401	0.3445
-pe-	4.99	15.00	-4409	4419	0.3445
-pe-	5.00	15.00	-4391	4430	0.3441
-pe-	5.00	15.00	-4383	4437	0.3441

-pe-	5.00	15.00	-4376	4443	0.3440
-pe-	5.00	15.01	-4370	4446	0.3439
-pe-	5.00	15.01	-4372	4444	0.3440

Thursday, December 02, 2021, Time 18:56

Setpoint No. 3  
Setpoint Upper: 5.00 °C  
Setpoint Lower: 15.00 °C  
Temperature Upper: 5.00 °C  
CalibFactor Upper: 0.026610  
Results Upper: 0.3451 W/mK  
Temperature Lower: 15.00 °C  
CalibFactor Lower: 0.026003  
Results Lower: 0.3428 W/mK  
Percent Difference: 0.68%

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	0.3483	0.3586	0.3535
15.00	0.3460	0.3509	0.3485
10.00	0.3451	0.3428	0.3440