

Friday, November 19, 2021, Time 08:00

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.50.50.0.L8#3

Thickness: 28.59mm

Rear Left : 28.57 mm

Rear Right : 28.73 mm

Front Left: 28.45 mm

Front Right: 28.60 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: 76 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	16.54	24.75	-9108	4786	0.6278
-ne-	14.96	25.09	-6141	3616	0.3579
-te-	14.99	24.99	-5210	3908	0.3387
-te-	15.00	25.01	-4951	4148	0.3377
-te-	15.00	25.01	-4780	4276	0.3360
-te-	15.01	25.01	-4678	4350	0.3350
-te-	15.01	25.01	-4616	4394	0.3343
-te-	15.00	25.01	-4589	4420	0.3342
-pe-	15.00	25.01	-4571	4432	0.3340
-pe-	15.00	25.01	-4551	4446	0.3337
-pe-	15.00	25.01	-4541	4452	0.3336
-pe-	15.00	25.01	-4534	4456	0.3335
-pe-	15.01	25.01	-4534	4458	0.3336
-pe-	15.00	25.01	-4532	4457	0.3334
-pe-	15.00	25.01	-4530	4459	0.3334
-pe-	15.01	25.01	-4529	4459	0.3334
-pe-	15.01	25.02	-4528	4458	0.3333
-pe-	15.01	25.01	-4530	4458	0.3334

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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: 0.3366 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3303 W/mK

Percent Difference: 1.89%

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

Setpoint duration: 72 min

Block Averages for setpoint 2 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	10.43	20.29	-12672	-2811	0.5891
-ne-	9.85	19.84	-8240	1445	0.3640
-te-	9.99	19.97	-6611	2767	0.3520
-te-	10.00	20.00	-5815	3349	0.3431
-te-	10.00	20.00	-5306	3733	0.3381
-te-	10.00	20.00	-4988	3975	0.3351
-te-	10.00	20.00	-4789	4123	0.3331
-te-	10.00	20.00	-4670	4219	0.3322
-te-	10.00	20.00	-4595	4278	0.3316
-te-	10.00	20.00	-4540	4316	0.3310
-te-	10.00	20.00	-4526	4330	0.3309
-pe-	9.99	19.99	-4507	4345	0.3308
-pe-	9.99	20.00	-4495	4353	0.3306
-pe-	10.00	20.00	-4483	4361	0.3304
-pe-	10.00	20.00	-4483	4360	0.3304
-pe-	10.00	20.00	-4475	4366	0.3303
-pe-	10.00	20.00	-4477	4365	0.3304

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Setpoint No. 2
Setpoint Upper: 10.00 °C
Setpoint Lower: 20.00 °C
Temperature Upper: 10.00 °C
CalibFactor Upper: 0.026313
Results Upper: 0.3368 W/mK
Temperature Lower: 20.00 °C
CalibFactor Lower: 0.025969
Results Lower: 0.3239 W/mK
Percent Difference: 3.91%

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	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.49	15.35	-12355	-2743	0.5794
-ne-	4.84	14.81	-8122	1365	0.3606
-te-	4.98	14.97	-6520	2687	0.3484
-te-	4.99	14.99	-5740	3249	0.3390
-te-	4.99	14.99	-5237	3628	0.3340
-te-	4.99	15.00	-4919	3868	0.3308
-te-	5.00	15.00	-4718	4027	0.3290
-te-	5.00	15.01	-4600	4114	0.3277
-te-	5.00	15.00	-4524	4174	0.3271
-te-	5.00	15.01	-4478	4216	0.3268
-pe-	4.99	15.00	-4459	4226	0.3265
-pe-	4.99	15.00	-4437	4244	0.3263
-pe-	4.99	15.00	-4421	4258	0.3262
-pe-	5.00	15.00	-4411	4266	0.3262
-pe-	5.00	15.00	-4406	4271	0.3261
-pe-	5.00	15.01	-4402	4272	0.3261
-pe-	5.00	15.00	-4396	4277	0.3260
-pe-	5.00	15.01	-4401	4273	0.3260

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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: 0.3345 W/mK

Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026003
Results Lower: 0.3175 W/mK
Percent Difference: 5.21%

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	0.3366	0.3303	0.3334
15.00	0.3368	0.3239	0.3304
10.00	0.3345	0.3175	0.3260