

Friday, October 22, 2021, Time 18:58

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: RE_OSa.40.20.40#2

Thickness: 29.08mm

Rear Left : 28.93 mm

Rear Right : 29.90 mm

Front Left: 28.27 mm

Front Right: 29.24 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: 63 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	15.65	24.50	-6209	4686	0.4645
-ne-	15.01	24.98	-4740	3727	0.3208
-te-	15.01	25.01	-4512	3736	0.3113
-te-	15.01	25.02	-4414	3791	0.3097
-te-	15.01	25.02	-4348	3832	0.3087
-te-	15.00	25.01	-4302	3855	0.3079
-pe-	15.00	25.01	-4285	3867	0.3076
-pe-	15.00	25.00	-4264	3883	0.3075
-pe-	15.00	25.01	-4249	3894	0.3073
-pe-	15.00	25.01	-4237	3906	0.3073
-pe-	15.00	25.01	-4234	3909	0.3074
-pe-	15.00	25.01	-4233	3909	0.3073
-pe-	15.00	25.01	-4231	3911	0.3073
-pe-	15.00	25.01	-4229	3915	0.3073
-pe-	15.01	25.01	-4230	3912	0.3073

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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: 0.3198 W/mK

Temperature Lower: 25.01 °C

CalibFactor Lower: 0.025934

Results Lower: 0.2949 W/mK

Percent Difference: 8.11%

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 2 in SI units

Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
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-ne-	10.18	20.05	-11666	-2449	0.5457
-te-	9.99	20.00	-7744	1587	0.3560
-te-	10.00	20.00	-6634	2244	0.3385
-te-	10.00	20.00	-5833	2740	0.3266
-te-	10.00	20.00	-5283	3084	0.3185
-te-	10.00	20.01	-4910	3321	0.3132
-te-	10.00	20.01	-4659	3480	0.3096
-te-	10.00	20.00	-4488	3583	0.3070
-te-	10.01	20.01	-4369	3659	0.3053
-te-	10.01	20.01	-4296	3705	0.3043
-te-	10.01	20.01	-4249	3731	0.3035
-pe-	10.00	20.00	-4224	3749	0.3031
-pe-	10.00	20.00	-4196	3771	0.3029
-pe-	10.00	20.00	-4172	3785	0.3024
-pe-	10.00	20.00	-4160	3792	0.3023
-pe-	10.00	20.01	-4151	3796	0.3020
-pe-	10.00	20.00	-4148	3798	0.3021
-pe-	10.00	20.00	-4148	3794	0.3020

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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: 0.3174 W/mK
Temperature Lower: 20.00 °C
CalibFactor Lower: 0.025969
Results Lower: 0.2866 W/mK
Percent Difference: 10.19%

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 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]
-ne-	5.28	15.08	-11312	-2423	0.5397
-ne-	4.94	14.95	-7661	1514	0.3535
-te-	4.99	15.00	-6511	2182	0.3342
-te-	5.00	15.00	-5726	2674	0.3225
-te-	5.00	15.00	-5184	3012	0.3143
-te-	5.00	15.00	-4819	3243	0.3089
-te-	5.00	15.01	-4572	3398	0.3052
-te-	5.00	15.01	-4407	3500	0.3027
-te-	5.00	15.01	-4297	3571	0.3011
-te-	5.00	15.01	-4225	3616	0.3000
-te-	5.00	15.01	-4170	3643	0.2990
-te-	5.00	15.01	-4141	3667	0.2987
-pe-	5.00	15.00	-4124	3675	0.2983
-pe-	5.00	15.00	-4104	3687	0.2980
-pe-	5.00	15.00	-4092	3695	0.2978
-pe-	5.00	15.00	-4080	3701	0.2976
-pe-	5.00	15.01	-4076	3702	0.2975
-pe-	5.00	15.01	-4073	3703	0.2974
-pe-	5.00	15.01	-4069	3702	0.2973
-pe-	5.00	15.01	-4067	3704	0.2972
-pe-	5.00	15.01	-4065	3705	0.2972
-pe-	5.00	15.01	-4065	3703	0.2971
-pe-	5.00	15.01	-4064	3703	0.2971
-pe-	5.00	15.01	-4062	3703	0.2971
-pe-	5.00	15.01	-4063	3703	0.2971
-pe-	5.00	15.01	-4064	3701	0.2971

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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: 0.3143 W/mK
Temperature Lower: 15.01 °C
CalibFactor Lower: 0.026002
Results Lower: 0.2799 W/mK
Percent Difference: 11.58%

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	0.3198	0.2949	0.3073
15.00	0.3174	0.2866	0.3020
10.00	0.3143	0.2799	0.2971