Tuesday, November 02, 2021, Time 11:02

Wintherm32v3 Version 3.31.143 Uni
Instrument: F200s
Instrument Program Version 290
Instrument Serial Number: 2520

Sample Name: OSa.40.50.10#1 - Sample Report - 20211102
Thickness: 30.04mm
Rear Left : 29.13 mm   Rear Right : 30.23 mm
Front Left: 29.84 mm   Front Right: 30.94 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-	15.75	24.36	-6326	5628	0.5411
-ne-	15.01	24.98	-3646	3817	0.2918
-te-	15.01	25.02	-3531	3703	0.2819
-te-	15.01	25.02	-3544	3667	0.2810
-pe-	15.01	25.02	-3551	3655	0.2808
-pe-	15.01	25.02	-3557	3638	0.2803
-pe-	15.01	25.02	-3563	3626	0.2801
-pe-	15.01	25.02	-3566	3618	0.2799
-pe-	15.01	25.01	-3569	3611	0.2798
-pe-	15.00	25.01	-3570	3610	0.2798
-pe-	15.01	25.01	-3570	3609	0.2798
-pe-	15.01	25.02	-3569	3609	0.2797
-pe-	15.01	25.02	-3568	3610	0.2797

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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: 0.2786   W/mK
    Temperature Lower: 25.02   °C
    CalibFactor Lower: 0.025934
    Results Lower: 0.2809   W/mK
    Percent Difference: 0.81%

            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-	10.15	20.06	-8434	-5479	0.5515
-te-	10.00	20.00	-5351	-673	0.2378

-te-	10.00	20.00	-4825	504	0.2103
-te-	10.00	20.00	-4429	1375	0.2286
-te-	10.00	20.00	-4148	1999	0.2419
-te-	10.00	20.00	-3953	2432	0.2510
-te-	10.00	20.00	-3816	2743	0.2578
-te-	10.00	20.00	-3722	2955	0.2623
-te-	10.00	20.00	-3654	3109	0.2656
-te-	10.00	20.00	-3608	3213	0.2679
-te-	10.00	20.00	-3574	3287	0.2694
-te-	10.01	20.01	-3552	3339	0.2706
-te-	10.01	20.01	-3534	3378	0.2714
-pe-	10.00	20.00	-3520	3401	0.2717
-pe-	10.00	20.00	-3511	3422	0.2722
-pe-	10.00	20.00	-3503	3439	0.2726
-pe-	10.00	20.00	-3501	3449	0.2729
-pe-	10.00	20.00	-3497	3453	0.2729
-pe-	10.00	20.00	-3494	3463	0.2731
-pe-	10.00	20.00	-3494	3466	0.2733
-pe-	10.00	20.00	-3492	3470	0.2733
-pe-	10.00	20.00	-3494	3468	0.2733

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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:	0.2761	W/mK
Temperature Lower:	20.00	°C
CalibFactor Lower:	0.025969	
Results Lower:	0.2705	W/mK
Percent Difference:	2.04%	

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: 118 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]
-ne-	5.22	15.07	-8173	-5448	0.5469
-te-	5.00	15.00	-5232	-716	0.2370
-te-	5.00	15.00	-4718	420	0.2049
-te-	5.00	15.00	-4328	1287	0.2231
-te-	5.00	15.00	-4053	1901	0.2361
-te-	5.00	15.01	-3859	2337	0.2454
-te-	5.00	15.01	-3724	2641	0.2519
-te-	5.00	15.00	-3629	2855	0.2564
-te-	5.00	15.00	-3561	3007	0.2596
-te-	5.00	15.00	-3515	3115	0.2620
-te-	5.00	15.00	-3483	3193	0.2637
-te-	5.00	15.00	-3456	3251	0.2650
-te-	5.00	15.00	-3438	3295	0.2659
-pe-	5.00	15.00	-3430	3311	0.2663
-pe-	5.00	15.00	-3418	3332	0.2666
-pe-	5.00	15.00	-3412	3354	0.2673
-pe-	5.00	15.00	-3407	3365	0.2675
-pe-	5.00	15.00	-3401	3377	0.2677
-pe-	5.00	15.00	-3396	3386	0.2678
-pe-	5.00	15.01	-3395	3387	0.2679
-pe-	5.00	15.00	-3393	3391	0.2679
-pe-	5.00	15.00	-3391	3395	0.2680
-pe-	5.00	15.00	-3391	3397	0.2681
-pe-	5.00	15.00	-3391	3397	0.2680
-pe-	5.00	15.01	-3390	3398	0.2680
-pe-	5.00	15.01	-3389	3399	0.2680
-pe-	5.00	15.01	-3388	3399	0.2680

-pe-   5.00   15.01   -3392   3394   0.2679

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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: 0.2708   W/mK
    Temperature Lower: 15.01   °C
    CalibFactor Lower: 0.026002
    Results Lower: 0.2652   W/mK
    Percent Difference: 2.09%

          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	0.2786	0.2809	0.2797
15.00	0.2761	0.2705	0.2733
10.00	0.2708	0.2652	0.2680