Friday, November 26, 2021, Time 14:19

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

Sample Name: RE_OSa.50.50.0.B#3
Thickness: 30.49mm
Rear Left : 30.43 mm   Rear Right : 30.48 mm
Front Left: 30.48 mm   Front Right: 30.56 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: 67 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]
-ne-	15.75	24.44	-7572	6874	0.6582
-ne-	14.97	24.99	-5078	4003	0.3590
-te-	15.00	25.00	-4605	4083	0.3439
-te-	15.00	25.01	-4492	4160	0.3423
-te-	15.00	25.01	-4415	4212	0.3413
-te-	15.01	25.01	-4367	4247	0.3408
-pe-	15.00	25.01	-4341	4264	0.3403
-pe-	15.00	25.01	-4319	4283	0.3403
-pe-	15.00	25.01	-4297	4296	0.3399
-pe-	15.00	25.01	-4286	4303	0.3398
-pe-	15.00	25.01	-4281	4306	0.3397
-pe-	15.01	25.01	-4278	4309	0.3397
-pe-	15.01	25.02	-4275	4308	0.3395
-pe-	15.01	25.02	-4274	4311	0.3396
-pe-	15.00	25.01	-4274	4309	0.3395
-pe-	15.01	25.01	-4276	4308	0.3395

Friday, November 26, 2021, Time 15:27

Setpoint No.   1
  Setpoint Upper: 15.00   °C
  Setpoint Lower: 25.00   °C
    Temperature Upper: 15.01   °C
    CalibFactor Upper: 0.026016
    Results Upper: 0.3387   W/mK
    Temperature Lower: 25.01   °C
    CalibFactor Lower: 0.025934
    Results Lower: 0.3404   W/mK
    Percent Difference: 0.49%

              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-	10.28	20.16	-12247	-3235	0.6262
-ne-	9.88	19.82	-7937	1311	0.3727
-te-	9.99	19.99	-6554	2487	0.3616
-te-	10.00	20.00	-5785	3023	0.3517
-te-	10.00	20.00	-5267	3418	0.3466
-te-	10.00	20.00	-4919	3687	0.3433
-te-	10.00	20.00	-4693	3862	0.3410
-te-	10.00	20.00	-4537	3985	0.3397
-te-	10.00	20.00	-4434	4065	0.3387
-te-	10.00	20.00	-4361	4124	0.3382
-te-	10.00	20.00	-4321	4153	0.3377
-pe-	10.00	20.00	-4294	4176	0.3374
-pe-	10.00	20.00	-4271	4193	0.3372
-pe-	10.00	20.00	-4253	4208	0.3371
-pe-	10.00	20.00	-4241	4218	0.3370
-pe-	10.00	20.00	-4236	4222	0.3370
-pe-	10.00	20.00	-4230	4227	0.3369
-pe-	10.00	20.00	-4227	4230	0.3369
-pe-	10.00	20.00	-4224	4233	0.3369
-pe-	10.00	20.01	-4223	4233	0.3369
-pe-	10.00	20.00	-4220	4237	0.3369
-pe-	10.01	20.01	-4222	4233	0.3369

Friday, November 26, 2021, Time 17:00

Setpoint No.	2	
Setpoint Upper:	10.00	°C
Setpoint Lower:	20.00	°C
Temperature Upper:	10.00	°C
CalibFactor Upper:	0.026312	
Results Upper:	0.3386	W/mK
Temperature Lower:	20.00	°C
CalibFactor Lower:	0.025969	
Results Lower:	0.3352	W/mK
Percent Difference:	1.02%	

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-	5.38	15.24	-11862	-3126	0.6135
-ne-	4.87	14.83	-7815	1267	0.3690
-te-	4.99	14.99	-6444	2420	0.3575
-te-	4.99	15.00	-5694	2946	0.3476
-te-	5.00	15.00	-5176	3344	0.3424
-te-	5.00	15.00	-4837	3604	0.3389
-te-	5.00	15.00	-4611	3780	0.3367
-te-	5.00	15.00	-4458	3903	0.3354
-te-	5.00	15.00	-4356	3981	0.3343
-te-	5.00	15.01	-4290	4034	0.3337
-te-	5.00	15.01	-4248	4065	0.3333
-pe-	4.99	15.00	-4229	4081	0.3331
-pe-	4.99	15.00	-4203	4103	0.3329
-pe-	4.99	15.00	-4184	4119	0.3328
-pe-	5.00	15.00	-4172	4127	0.3325
-pe-	5.00	15.00	-4164	4133	0.3325

| -pe- | 5.00 | 15.00 | -4159 | 4138 | 0.3325 |
| -pe- | 5.00 | 15.01 | -4159 | 4136 | 0.3324 |

Friday, November 26, 2021, Time 18:17

Setpoint No.   3
  Setpoint Upper: 5.00   °C
  Setpoint Lower: 15.00   °C
    Temperature Upper: 5.00   °C
    CalibFactor Upper: 0.026610
    Results Upper: 0.3373   W/mK
    Temperature Lower: 15.00   °C
    CalibFactor Lower: 0.026003
    Results Lower: 0.3277   W/mK
    Percent Difference: 2.90%

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	0.3387	0.3404	0.3396
15.00	0.3386	0.3352	0.3369
10.00	0.3373	0.3277	0.3325