Friday, November 12, 2021, Time 13:02

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

Sample Name: RE_OSa.29.14.57#1
Thickness: 29.32mm
Rear Left : 29.29 mm   Rear Right : 29.36 mm
Front Left: 29.26 mm   Front Right: 29.36 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: 84 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]
-ne-	15.77	24.37	-9734	6534	0.7193
-ne-	14.99	24.97	-7377	4615	0.4579
-te-	15.00	25.01	-6862	4903	0.4478
-te-	15.00	25.01	-6664	5071	0.4466
-te-	15.01	25.01	-6546	5177	0.4460
-te-	15.01	25.02	-6470	5244	0.4457
-te-	15.01	25.01	-6419	5283	0.4453
-te-	15.01	25.02	-6387	5316	0.4452
-pe-	15.00	25.01	-6370	5325	0.4448
-pe-	15.00	25.01	-6353	5338	0.4448
-pe-	15.00	25.01	-6339	5347	0.4446
-pe-	15.00	25.01	-6331	5354	0.4446
-pe-	15.00	25.01	-6326	5359	0.4446
-pe-	15.00	25.01	-6324	5362	0.4446
-pe-	15.00	25.01	-6323	5363	0.4447
-pe-	15.00	25.01	-6320	5368	0.4447
-pe-	15.01	25.01	-6320	5367	0.4447
-pe-	15.01	25.01	-6319	5368	0.4446
-pe-	15.00	25.01	-6319	5367	0.4446
-pe-	15.00	25.01	-6319	5368	0.4447

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Setpoint No.   1
 Setpoint Upper: 15.00   °C
 Setpoint Lower: 25.00   °C
   Temperature Upper: 15.00   °C
   CalibFactor Upper: 0.026016
   Results Upper: 0.4815   W/mK
   Temperature Lower: 25.01   °C
   CalibFactor Lower: 0.025934
   Results Lower: 0.4078   W/mK
   Percent Difference: 16.59%

           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-	10.23	20.11	-14514	-3166	0.6888
-te-	9.99	19.99	-10181	1832	0.4627
-te-	10.00	20.00	-8832	2970	0.4537
-te-	10.00	20.00	-7935	3758	0.4490
-te-	10.00	20.00	-7350	4274	0.4462
-te-	10.00	20.00	-6971	4608	0.4442
-te-	10.00	20.00	-6718	4830	0.4429
-te-	10.00	20.00	-6550	4977	0.4421
-te-	10.00	20.01	-6445	5070	0.4415
-te-	10.00	20.00	-6369	5136	0.4411
-te-	10.00	20.01	-6322	5177	0.4408
-pe-	10.00	20.00	-6295	5200	0.4407
-pe-	10.00	20.00	-6274	5221	0.4406
-pe-	10.00	20.00	-6253	5238	0.4405
-pe-	10.00	20.00	-6241	5250	0.4405
-pe-	10.00	20.00	-6233	5256	0.4405
-pe-	10.00	20.00	-6231	5260	0.4405
-pe-	10.00	20.00	-6228	5262	0.4404
-pe-	10.00	20.00	-6226	5263	0.4405
-pe-	10.00	20.00	-6226	5264	0.4405
-pe-	10.00	20.00	-6223	5266	0.4404
-pe-	10.01	20.01	-6225	5264	0.4404

Friday, November 12, 2021, Time 16:01

Setpoint No.   2
  Setpoint Upper: 10.00   °C
  Setpoint Lower: 20.00   °C
    Temperature Upper: 10.00   °C
    CalibFactor Upper: 0.026312
    Results Upper: 0.4801   W/mK
    Temperature Lower: 20.01   °C
    CalibFactor Lower: 0.025969
    Results Lower: 0.4008   W/mK
    Percent Difference: 18.01%

            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-	5.32	15.15	-14247	-3082	0.6847
-ne-	4.92	14.88	-10081	1621	0.4569
-te-	4.99	15.00	-8644	2930	0.4487
-te-	5.00	15.00	-7773	3671	0.4429
-te-	5.00	15.00	-7199	4171	0.4396
-te-	5.00	15.00	-6827	4500	0.4376
-te-	5.00	15.00	-6577	4717	0.4362
-te-	5.00	15.00	-6414	4860	0.4352
-te-	5.00	15.01	-6307	4953	0.4346
-te-	5.00	15.01	-6235	5015	0.4342
-te-	5.00	15.01	-6189	5053	0.4338
-pe-	5.00	15.00	-6165	5072	0.4336
-pe-	4.99	15.00	-6139	5093	0.4333
-pe-	4.99	15.00	-6119	5109	0.4332
-pe-	5.00	15.00	-6108	5117	0.4330
-pe-	5.00	15.00	-6100	5121	0.4329
-pe-	5.00	15.00	-6097	5124	0.4329
-pe-	5.00	15.00	-6093	5128	0.4329
-pe-	5.00	15.01	-6091	5129	0.4329
-pe-	5.00	15.00	-6088	5130	0.4328

-pe-	5.00	15.01	-6089	5129	0.4328
-pe-	5.00	15.00	-6086	5131	0.4327
-pe-	5.00	15.01	-6086	5130	0.4327
-pe-	5.00	15.01	-6084	5130	0.4326
-pe-	5.00	15.01	-6084	5127	0.4325
-pe-	5.00	15.01	-6083	5127	0.4325
-pe-	5.00	15.01	-6083	5126	0.4325
-pe-	5.00	15.01	-6083	5127	0.4325

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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: 0.4743   W/mK
    Temperature Lower: 15.01   °C
    CalibFactor Lower: 0.026003
    Results Lower: 0.3906   W/mK
    Percent Difference: 19.35%

            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	0.4815	0.4078	0.4446
15.01	0.4801	0.4008	0.4404
10.00	0.4743	0.3906	0.4325