Friday, June 11, 2021, Time 15:15

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

Sample Name: A3-1F-20210611.tst
Thickness: 36.98mm
Rear Left : 37.01 mm   Rear Right : 37.03 mm
Front Left: 36.93 mm   Front Right: 36.96 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: 80 min

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]	SampleU [°C]	SampleL [°C]
-ne-	16.01	24.54	-12151	4264	1.960	19.81	23.80
-ne-	15.00	24.97	-7851	2649	0.8104	18.03	24.22
-te-	15.00	25.01	-6648	3215	0.7283	17.60	24.08
-te-	15.00	25.01	-6114	3707	0.7182	17.38	23.93
-te-	15.00	25.01	-5772	4053	0.7155	17.25	23.83
-te-	15.01	25.01	-5552	4282	0.7144	17.17	23.76
-te-	15.01	25.01	-5406	4439	0.7137	17.11	23.72
-te-	15.00	25.01	-5306	4540	0.7131	17.08	23.69
-te-	15.01	25.02	-5244	4605	0.7127	17.05	23.68
-te-	15.00	25.01	-5203	4646	0.7122	17.04	23.66
-pe-	15.00	25.01	-5183	4668	0.7124	17.02	23.65
-pe-	15.00	25.01	-5162	4689	0.7118	17.01	23.65
-pe-	15.00	25.01	-5145	4709	0.7122	17.01	23.64
-pe-	15.00	25.01	-5133	4721	0.7121	17.01	23.64
-pe-	15.00	25.01	-5127	4727	0.7121	17.01	23.64
-pe-	15.00	25.01	-5125	4727	0.7119	17.01	23.64
-pe-	15.00	25.01	-5122	4731	0.7117	17.00	23.64
-pe-	15.00	25.01	-5119	4735	0.7114	17.00	23.64
-pe-	15.01	25.01	-5120	4734	0.7116	17.00	23.64

Friday, June 11, 2021, Time 16:35

Setpoint No.   1
 Setpoint Upper: 15.00   °C
 Setpoint Lower: 25.00   °C
   Temperature Upper: 17.00   °C
   CalibFactor Upper: 0.025898
   Results Upper: 0.7389   W/mK
   Temperature Lower: 23.64   °C
   CalibFactor Lower: 0.025944
   Results Lower: 0.6843   W/mK
   Percent Difference: 7.67%

            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: 80 min

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]	SampleU [°C]	SampleL [°C]
-ne-	10.21	20.08	-13218	-5051	1.447	14.81	20.88
-te-	10.00	20.00	-8834	647	0.7356	13.62	19.84
-te-	10.00	20.00	-7556	1936	0.7224	13.09	19.43
-te-	10.00	20.00	-6691	2855	0.7170	12.74	19.16
-te-	10.00	20.00	-6112	3465	0.7134	12.51	18.99
-te-	10.00	20.00	-5739	3870	0.7119	12.36	18.87
-te-	10.00	20.00	-5485	4139	0.7103	12.25	18.79
-te-	10.00	20.00	-5331	4304	0.7095	12.19	18.74
-te-	10.00	20.01	-5232	4410	0.7089	12.15	18.71
-te-	10.00	20.01	-5160	4488	0.7088	12.12	18.69
-te-	10.00	20.00	-5117	4535	0.7085	12.10	18.67
-pe-	10.00	20.00	-5098	4553	0.7080	12.09	18.67
-pe-	10.00	20.00	-5078	4575	0.7084	12.08	18.66
-pe-	10.00	20.00	-5060	4593	0.7081	12.08	18.66
-pe-	10.00	20.00	-5051	4601	0.7082	12.08	18.65
-pe-	10.00	20.00	-5042	4610	0.7085	12.08	18.65
-pe-	10.00	20.00	-5036	4616	0.7084	12.08	18.65
-pe-	10.01	20.01	-5035	4616	0.7083	12.08	18.65
-pe-	10.01	20.01	-5035	4614	0.7082	12.08	18.65

Friday, June 11, 2021, Time 17:56

Setpoint No.   2
  Setpoint Upper: 10.00   °C
  Setpoint Lower: 20.00   °C
    Temperature Upper: 12.08   °C
    CalibFactor Upper: 0.026190
    Results Upper: 0.7420   W/mK
    Temperature Lower: 18.65   °C
    CalibFactor Lower: 0.025979
    Results Lower: 0.6746   W/mK
    Percent Difference: 9.51%

            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: 89 min

Block Averages for setpoint 3 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [µV]	Qlower [µV]	Lambda [W/mK]	SampleU [°C]	SampleL [°C]
-ne-	5.30	15.14	-12850	-4929	1.453	10.01	15.94
-ne-	4.94	14.92	-8738	486	0.7385	8.73	14.82
-te-	5.00	15.00	-7406	1891	0.7241	8.20	14.45
-te-	5.00	15.00	-6546	2793	0.7164	7.84	14.18
-te-	5.00	15.00	-5982	3397	0.7125	7.60	14.00
-te-	5.00	15.01	-5613	3793	0.7100	7.44	13.88
-te-	5.00	15.01	-5376	4051	0.7088	7.34	13.80
-te-	5.00	15.00	-5222	4219	0.7080	7.28	13.75
-te-	5.00	15.01	-5122	4330	0.7075	7.23	13.72
-te-	5.00	15.01	-5057	4394	0.7067	7.21	13.70
-te-	5.00	15.01	-5018	4437	0.7066	7.19	13.69
-pe-	5.00	15.00	-4998	4456	0.7066	7.18	13.68
-pe-	4.99	15.00	-4974	4483	0.7067	7.17	13.67
-pe-	5.00	15.00	-4957	4500	0.7064	7.17	13.67
-pe-	5.00	15.00	-4945	4512	0.7066	7.16	13.66
-pe-	5.00	15.00	-4939	4517	0.7066	7.16	13.66
-pe-	5.00	15.00	-4940	4518	0.7065	7.16	13.66
-pe-	5.00	15.01	-4938	4519	0.7065	7.16	13.66
-pe-	5.00	15.00	-4938	4520	0.7066	7.16	13.66
-pe-	5.00	15.01	-4938	4519	0.7062	7.16	13.66
-pe-	5.00	15.00	-4939	4522	0.7067	7.16	13.66

Friday, June 11, 2021, Time 19:25

Setpoint No.   3
  Setpoint Upper: 5.00   °C
  Setpoint Lower: 15.00   °C
    Temperature Upper: 7.16   °C
    CalibFactor Upper: 0.026481
    Results Upper: 0.7441   W/mK
    Temperature Lower: 13.66   °C
    CalibFactor Lower: 0.026011
    Results Lower: 0.6690   W/mK
    Percent Difference: 10.63%

          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
20.32	0.7389	0.6843	0.7116
15.36	0.7420	0.6746	0.7083
10.41	0.7441	0.6690	0.7065