

Saturday, December 10, 2022, Time 17:09

Wintherm32v3 Version 3.31.143 Uni

Instrument: F200s

Instrument Program Version 290

Instrument Serial Number: 2520

Sample Name: 3F-20221212

Thickness: 29.88mm

Rear Left : 29.79 mm

Rear Right : 29.95 mm

Front Left: 29.82 mm

Front Right: 29.97 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-	15.64	24.30	-6776	9176	0.7141
-ne-	15.00	25.00	-5098	5625	0.4162
-te-	15.01	25.01	-4958	5295	0.3976
-te-	15.01	25.02	-4997	5208	0.3957
-te-	15.01	25.02	-5023	5167	0.3951
-pe-	15.01	25.02	-5035	5147	0.3948
-pe-	15.01	25.02	-5049	5121	0.3943
-pe-	15.01	25.02	-5059	5104	0.3940
-pe-	15.01	25.02	-5064	5091	0.3938
-pe-	15.01	25.02	-5066	5084	0.3935
-pe-	15.01	25.02	-5065	5083	0.3934
-pe-	15.01	25.02	-5063	5082	0.3933
-pe-	15.01	25.02	-5063	5080	0.3933
-pe-	15.01	25.02	-5062	5079	0.3932
-pe-	15.01	25.02	-5059	5080	0.3931

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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: 0.3931 W/mK

Temperature Lower: 25.02 °C

CalibFactor Lower: 0.025934

Results Lower: 0.3933 W/mK

Percent Difference: 0.05%

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-	10.23	20.14	-11818	-5726	0.6930
-te-	9.99	19.97	-7964	836	0.3461
-te-	10.00	20.00	-6767	2521	0.3639
-te-	10.00	20.00	-6065	3500	0.3743
-te-	10.00	20.00	-5654	4079	0.3806
-te-	10.00	20.00	-5407	4427	0.3843
-te-	10.01	20.01	-5253	4645	0.3868
-te-	10.00	20.00	-5163	4769	0.3880
-te-	10.01	20.01	-5102	4855	0.3889
-te-	10.01	20.01	-5064	4907	0.3894
-te-	10.01	20.01	-5039	4941	0.3898
-pe-	10.00	20.00	-5026	4956	0.3898
-pe-	10.00	20.00	-5012	4973	0.3900
-pe-	10.00	20.00	-5003	4983	0.3900
-pe-	10.00	20.01	-4996	4989	0.3899
-pe-	10.01	20.01	-4993	4991	0.3899
-pe-	10.01	20.01	-4989	4995	0.3899
-pe-	10.01	20.01	-4989	4992	0.3897

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Setpoint No.2
Setpoint Upper:10.00°C
Setpoint Lower:20.00°C
Temperature Upper:10.01°C
CalibFactor Upper:0.026312
Results Upper:0.3923 W/mK
Temperature Lower:20.01°C
CalibFactor Lower:0.025969
Results Lower:0.3874 W/mK
Percent Difference:1.26%

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 3 in SI units

	Tupper	Tlower	Qupper	Qlower	Lambda
	[°C]	[°C]	[μV]	[μV]	[W/mK]
-ne-	5.36	15.22	-11351	-5562	0.6766
-ne-	4.90	14.84	-7924	496	0.3364
-te-	5.00	15.00	-6600	2581	0.3627
-te-	5.00	15.00	-5925	3470	0.3703
-te-	5.00	15.00	-5536	4025	0.3763
-te-	5.00	15.00	-5299	4361	0.3799
-te-	5.00	15.00	-5158	4569	0.3824
-te-	5.00	15.00	-5069	4696	0.3838
-te-	5.00	15.00	-5015	4775	0.3847
-te-	5.00	15.00	-4982	4824	0.3853
-pe-	5.00	15.00	-4965	4843	0.3854
-pe-	4.99	15.00	-4948	4868	0.3857
-pe-	5.00	15.00	-4938	4884	0.3859
-pe-	5.00	15.00	-4932	4897	0.3862
-pe-	5.00	15.00	-4930	4900	0.3862
-pe-	5.00	15.00	-4927	4903	0.3862
-pe-	5.00	15.01	-4926	4904	0.3862
-pe-	5.00	15.00	-4926	4904	0.3862
-pe-	5.00	15.00	-4927	4902	0.3862

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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:0.3915 W/mK
Temperature Lower:15.00°C

CalibFactor Lower: 0.026003
Results Lower: 0.3808 W/mK
Percent Difference: 2.77%

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	0.3931	0.3933	0.3932
15.01	0.3923	0.3874	0.3898
10.00	0.3915	0.3808	0.3862