

Cippato_CAf

Thursday, July 13, 2017, Time 16:19

Wintherm32v3 Version 3.31.47
Instrument: F602
Instrument Program Version 78
Instrument Serial Number: 1336

Sample Name: Cippato_CAf
Thickness: 156.2354mm
Thickness obtained : from instrument

TEST RUN

Calibration used : 1450b
Calibration File Id: Nist1450bCalibration_sn1336

Calibration File Info :

File Name: Nist1450bCalibration_sn1336
Thickness: 25.4000mm
Area: 0.3716m²
Mass: 1.3000kg

Upper Plate Calibration Constants : (SI units)
Calibration Const: 0.005480 @-9.98 °C
Calibration Const: 0.005366 @0.02 °C
Calibration Const: 0.005239 @10.01 °C
Calibration Const: 0.005129 @20.02 °C
Calibration Const: 0.005041 @30.02 °C
Calibration Const: 0.004968 @40.03 °C

A0=1.355113e-002 A1=-4.765108e-005
A2=6.461143e-008

Lower Plate Calibration Constants : (SI units)
Calibration Const: 0.005469 @15.01 °C
Calibration Const: 0.005407 @25.02 °C
Calibration Const: 0.005343 @35.02 °C
Calibration Const: 0.005286 @45.02 °C
Calibration Const: 0.005220 @55.02 °C
Calibration Const: 0.005155 @65.02 °C

A0=6.864035e-003 A1=-3.645001e-006
A2=-4.159995e-009

Number of transducers per plate: 1
Number of transducers used per plate: 1

Number of Setpoints: 2

Cippato_CAFi

Block Averages for setpoint 1 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]	HeatFluxU [W/m²]	HeatFluxL [W/m²]
-pe-	15.01	35.03	-2226	2277	0.09254	11.54	12.17
-pe-	15.01	35.03	-2215	2261	0.09199	11.48	12.09
-pe-	15.01	35.03	-2206	2246	0.09151	11.44	12.01
-pe-	15.01	35.03	-2203	2228	0.09107	11.42	11.91
-pe-	15.01	35.02	-2197	2217	0.09073	11.39	11.85
-pe-	15.01	35.02	-2194	2204	0.09040	11.38	11.78
-pe-	15.02	35.03	-2195	2187	0.09006	11.38	11.69
-pe-	15.02	35.03	-2198	2171	0.08980	11.40	11.60
-pe-	15.02	35.02	-2199	2162	0.08964	11.40	11.56
-pe-	15.01	35.02	-2196	2162	0.08958	11.39	11.56

Last Side Temperatures readings in SI units
15.02 35.01

Thursday, July 13, 2017, Time 20:18

Setpoint No. 1

Setpoint Upper: 15.00 °C
Setpoint Lower: 35.00 °C
Temperature Upper: 15.02 °C
CalibFactor Upper: 0.005185
Results Upper: 0.08892 W/mK
HeatFlux Upper: 11.39 W/m²
Temperature Lower: 35.02 °C
CalibFactor Lower: 0.005346
Results Lower: 0.09087 W/mK
Percent Difference: 2.17%
HeatFlux Lower: 11.64 W/m²
Temperature Average: 25.02 °C
Results Average: 0.08990 W/mK
Resistance Avg : 1.738 m²K/W
R/unit Avg : 11.12 mK/W

Thermal Equilibrium Criteria:

Temperature Equilibrium: 0.20
Between Block HFM Equil.: 200
HFM Percent Change: 2.00
Min Number of Blocks: 10
Calculation Blocks: 5

Block Averages for setpoint 2 in SI units

	Tupper [°C]	Tlower [°C]	Qupper [μV]	Qlower [μV]	Lambda [W/mK]	HeatFluxU [W/m²]	HeatFluxL [W/m²]
-pe-	0.01	20.01	-2154	1542	0.07780	11.53	8.386
-pe-	0.01	20.01	-2145	1548	0.07774	11.49	8.419
-pe-	0.01	20.01	-2128	1564	0.07773	11.40	8.506
-pe-	0.00	20.01	-2108	1582	0.07770	11.29	8.605

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-pe-	0.01	20.01	-2095	1597	0.07775	11.22	8.683
-pe-	0.01	20.01	-2082	1609	0.07773	11.15	8.748
-pe-	0.01	20.01	-2074	1617	0.07774	11.11	8.796
-pe-	0.01	20.01	-2074	1621	0.07780	11.11	8.813
-pe-	0.01	20.01	-2070	1622	0.07773	11.09	8.818
-pe-	0.01	20.02	-2068	1621	0.07769	11.08	8.816

Last Side Temperatures readings in SI units
0.01 20.02

Friday, July 14, 2017, Time 06:05

Setpoint No. 2

Setpoint Upper:	0.00	°C
Setpoint Lower:	20.00	°C
Temperature Upper:	0.01	°C
CalibFactor Upper:	0.005356	
Results Upper:	0.08675	W/mK
HeatFlux Upper:	11.11	W/m²
Temperature Lower:	20.01	°C
CalibFactor Lower:	0.005438	
Results Lower:	0.06873	W/mK
Percent Difference:	23.18%	
HeatFlux Lower:	8.798	W/m²
Temperature Average:	10.01	°C
Results Average:	0.07774	W/mK
Resistance Avg :	2.010	m²K/W
R/unit Avg :	12.86	mK/W

Thermal Equilibrium Criteria:

Temperature Equilibrium:	0.20
Between Block HFM Equil.:	200
HFM Percent Change:	2.00
Min Number of Blocks:	10
Calculation Blocks:	5

Results Table -- SI Units

Mean Temp	Upper Cond	Lower Cond	Average Cond
25.02	0.08892	0.09087	0.08990
10.01	0.08675	0.06873	0.07774