



Temperature Sensor Calibration Certificate

Customer: Sir Lancelot
Unit Serial Number: HTG1392867
Unit Number: 3148

Make/Model: TK T-890
Run Hours: 99
Mileage: 2,298

Reference Thermometer Type: FLUKE
NIST Traceable Certificate #: U435152

Serial Number: 61271634mV
Last Calibration Date: 8-3-2023
(Must be retested annually)

1st Verification Temperature 5°C

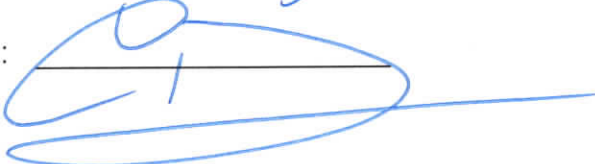
Temperature Sensor Locations	Datalogger Temp	Reference Thermometer Temp	Deviation	(Circle One)	
<u>Return</u>	<u>7.0</u>	<u>7.0</u>	<u>0</u>	<u>Pass</u>	Fail
<u>Supply</u>	<u>5.5</u>	<u>5.6</u>	<u>.1</u>	<u>Pass</u>	Fail
				Pass	Fail
				Pass	Fail
				Pass	Fail

2nd Verification Temperature 20°C

Temperature Sensor Locations	Datalogger Temp	Reference Thermometer Temp	Deviation	(Circle One)	
<u>Return</u>	<u>20.0</u>	<u>20.0</u>	<u>0</u>	<u>Pass</u>	Fail
<u>Supply</u>	<u>22.5</u>	<u>22.6</u>	<u>.1</u>	<u>Pass</u>	Fail
				Pass	Fail
				Pass	Fail
				Pass	Fail

I certify that the reference thermometer listed above has a current calibration certificate which is traceable to NIST standards.

Print Name: C. Dougherty Date: 2/1/2024

Signature: 



Temperture Certification Form

Rev. 3.0

Meter ID:

Form Saved Time:

Upload Time:

REFRIGERATION SERVICE

Start Time	2/1/2024 9:39:03 AM				
Stop Time	2/1/2024 11:06:03 AM				
Elapsed Time	1:27:00				
Interval	0:03:00				
Total readings	30				
Thermocouple Type	K				
Scaling	(none)				
	Max Time Stamp	Max	Average	Min	Min Time Stamp
T1	2/1/2024 10:39:03 AM	22.7 °C	19.0 °C	11.4 °C	2/1/2024 9:39:03 AM
T2	2/1/2024 10:39:03 AM	22.9 °C	19.3 °C	13.5 °C	2/1/2024 10:33:03 AM
T1-T2	2/1/2024 10:18:03 AM	0.2 °C	-0.3 °C	-5.6 °C	2/1/2024 9:39:03 AM

Test Purpose: To certify refrigeration to the National Measurement Institute Standards (NMIS), National Research Council of Canada (NRC), National Institute of Standards and Technology (NIST). Measurement uncertainties given in this report are based on a coverage factor of k=2 corresponding to a confidence level of approximately 95%.

Unit #

Serial #

Set Point

T1

T2

	T1	T2	T1-T2	Time Stamp
3	13.7 °C	13.6 °C	0.1 °C	2/1/2024 9:45:03 AM
4	20.2 °C	20.5 °C	-0.3 °C	2/1/2024 9:48:03 AM
5	22.1 °C	22.5 °C	-0.4 °C	2/1/2024 9:51:03 AM
6	16.5 °C	16.6 °C	-0.1 °C	2/1/2024 9:54:03 AM
7	20.9 °C	21.1 °C	-0.2 °C	2/1/2024 9:57:03 AM
8	22.1 °C	22.4 °C	-0.3 °C	2/1/2024 10:00:03 AM
9	17.0 °C	17.2 °C	-0.2 °C	2/1/2024 10:03:03 AM
10	21.0 °C	21.4 °C	-0.4 °C	2/1/2024 10:06:03 AM
11	18.6 °C	18.5 °C	0.1 °C	2/1/2024 10:09:03 AM
12	18.9 °C	19.1 °C	-0.2 °C	2/1/2024 10:12:03 AM
13	21.3 °C	21.5 °C	-0.2 °C	2/1/2024 10:15:03 AM
14	14.5 °C	14.3 °C	0.2 °C	2/1/2024 10:18:03 AM
15	20.0 °C	20.2 °C	-0.2 °C	2/1/2024 10:21:03 AM
16	22.3 °C	22.6 °C	-0.3 °C	2/1/2024 10:24:03 AM
17	16.5 °C	16.5 °C	0.0 °C	2/1/2024 10:27:03 AM
18	21.6 °C	21.8 °C	-0.2 °C	2/1/2024 10:30:03 AM
19	13.7 °C	13.5 °C	0.2 °C	2/1/2024 10:33:03 AM
20	20.3 °C	20.5 °C	-0.2 °C	2/1/2024 10:36:03 AM
21	22.7 °C	22.9 °C	-0.2 °C	2/1/2024 10:39:03 AM
22	17.3 °C	17.3 °C	0.0 °C	2/1/2024 10:42:03 AM
23	21.9 °C	22.1 °C	-0.2 °C	2/1/2024 10:45:03 AM
24	13.8 °C	13.7 °C	0.1 °C	2/1/2024 10:48:03 AM
25	20.9 °C	21.2 °C	-0.3 °C	2/1/2024 10:51:03 AM
26	17.8 °C	17.8 °C	0.0 °C	2/1/2024 10:54:03 AM
27	19.7 °C	19.8 °C	-0.1 °C	2/1/2024 10:57:03 AM
28	22.7 °C	22.9 °C	-0.2 °C	2/1/2024 11:00:03 AM
29	17.3 °C	17.4 °C	-0.1 °C	2/1/2024 11:03:03 AM
30	22.2 °C	22.4 °C	-0.2 °C	2/1/2024 11:06:03 AM

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