



Submitted By: MESA INVENTORY
12100 W. 6TH AVENUE
LAKEWOOD, CO 80228-1252

Sales / P.O Number: N/A

UUT Serial Number: **M3T42983**
Description: MPIII - HITEMP EXT 650MM BENDABLE FLEX TIP - 1K RTD
Mfr. Part Number: 124947-063
Measurement Range: -20° to 400° C
Tolerances: DataTrace Standard
As Left Condition: **In Tolerance**
Physical Condition: **Good**
Cal. Procedure Used: DT-0048 High Temperature Calibration
Cal. Due Date: **Per Customer SOP**

Customer UUT ID:
Reference Instrument: Fluke 1502A sPRT
Reference Instrument ID: 10642
Reference Calibration Date: 26Apr2014
Reference Calibration Due Date: 26Apr2015

AS LEFT DATA

M3T42983	REFERENCE	DIFF.	TOL.	AS LEFT	U	M3T42983	REFERENCE	DIFF.	TOL.	AS LEFT	U
°C	ITS-90 °C	°C	± °C	RESULT	± °C	°C	ITS-90 °C	°C	± °C	RESULT	± °C
-19.963	-19.957	-0.006	0.25	Pass	0.041	319.818	319.888	-0.070	0.50	Pass	0.087
0.036	0.022	0.014	0.25	Pass	0.041	339.866	339.901	-0.035	0.50	Pass	0.097
20.001	19.988	0.013	0.25	Pass	0.074	359.878	359.868	0.010	0.50	Pass	0.145
39.963	39.983	-0.020	0.25	Pass	0.045	379.868	379.902	-0.034	0.50	Pass	0.101
59.984	59.983	0.001	0.25	Pass	0.046	399.755	399.841	-0.086	0.50	Pass	0.089
79.946	79.951	-0.005	0.25	Pass	0.063						
99.981	99.953	0.028	0.25	Pass	0.086						
121.017	120.977	0.040	0.25	Pass	0.090						
139.995	139.968	0.027	0.25	Pass	0.152						
159.819	159.860	-0.041	0.25	Pass	0.074						
179.819	179.888	-0.069	0.25	Pass	0.081						
199.813	199.872	-0.059	0.25	Pass	0.072						
219.786	219.856	-0.070	0.50	Pass	0.079						
239.843	239.878	-0.035	0.50	Pass	0.075						
259.781	259.856	-0.075	0.50	Pass	0.076						
279.877	279.896	-0.019	0.50	Pass	0.088						
299.896	299.960	-0.064	0.50	Pass	0.095						

Avg. ambient conditions during test: 24 °C, 38 % RH

Performed by: Phillip Perri

Measurements are made by immersing the unit under test (UUT) together with a standard Platinum Resistance Thermometer into a well-stirred liquid bath for the -20° to 140°C data range, and placing the UUT sensor in a dry isothermal well for the 150° through 400°C data range. The reported uncertainty (U) is expanded at a coverage factor of 2 (k=2). **Caution: Do not expose Logger body to temperatures greater than 140° C. Use Thermal Barrier or consult factory.**

Battery replacement is part of standard service and calibration procedures. Additional services (if any) are listed on a separate service report.

Mesa Laboratories, Inc. certifies that the above instrument meets or exceeds published specifications, and that the calibration results in this certificate were obtained using equipment capable of producing results that are traceable through NIST to the International System of Units (SI). Calibration results are in compliance with ISO/IEC 17025:2005 and ANSI/NCSL Z540.3-2006. Data acquisition software has been validated and complies with USFDA 21CFR11 requirements for electronic records. This calibration report applies only to the item described. This document may not be reproduced except in full. © 2013 Mesa Laboratories, Inc. All rights reserved.

Reviewed by: _____
Phillip Perri

QC Inspector: _____

Date: 09Oct2014

Date: _____