



Submitted By: MESA LABS - DATATRACE DEMO/RENTAL
12100 W. 6TH AVENUE
LAKEWOOD, CO 80228-1252

Sales / P.O Number: N/A

UUT Serial Number: **M4T12830**
Description: TRACER MPRF 350MM (14 IN.) STAINLESS STEEL
Mfgr. Part Number: 227140-3ME
Measurement Range: -40° 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: N/A

Reference Instrument: Fluke 1502A sPRT
Reference Instrument ID: 10254
Reference Calibration Date: 22Feb2013
Reference Calibration Due Date: 22Feb2014

AS LEFT DATA

M4T12830	REFERENCE	DIFF.	TOL.	AS LEFT	U	M4T12830	REFERENCE	DIFF.	TOL.	AS LEFT	U
°C	ITS-90 °C	°C	± °C	RESULT	± °C	°C	ITS-90 °C	°C	± °C	RESULT	± °C
-40.333	-40.306	-0.027	0.25	Pass	0.021	299.911	299.888	0.023	0.50	Pass	0.075
-20.241	-20.302	0.061	0.25	Pass	0.021	319.979	319.941	0.038	0.50	Pass	0.076
-0.293	-0.311	0.018	0.25	Pass	0.021	339.898	339.891	0.007	0.50	Pass	0.077
19.655	19.700	-0.045	0.25	Pass	0.021	359.906	359.877	0.029	0.50	Pass	0.076
39.658	39.708	-0.050	0.25	Pass	0.021	379.875	379.888	-0.013	0.50	Pass	0.074
59.678	59.697	-0.019	0.25	Pass	0.022	399.760	399.846	-0.086	0.50	Pass	0.074
79.703	79.690	0.013	0.25	Pass	0.022						
99.736	99.683	0.053	0.25	Pass	0.021						
120.757	120.673	0.084	0.25	Pass	0.022						
139.764	139.678	0.086	0.25	Pass	0.022						
159.834	159.863	-0.029	0.25	Pass	0.075						
179.891	179.920	-0.029	0.25	Pass	0.074						
199.862	199.891	-0.029	0.25	Pass	0.075						
219.833	219.874	-0.041	0.50	Pass	0.074						
239.877	239.891	-0.014	0.50	Pass	0.075						
259.830	259.876	-0.046	0.50	Pass	0.075						
279.885	279.905	-0.020	0.50	Pass	0.075						

Avg. ambient conditions during test: 25 °C, 35 % 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 -40° 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/NCCL 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: _____