



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

Sales / P.O Number: N/A

UUT Serial Number: **M4T15811**
Description: **LOGGER MPRF 250MM (10 IN.) STAINLESS STEEL**
Mfgr. Part Number: 227140-2ML
Measurement Range: -80° to 140° C
Tolerances: DataTrace Standard
As Left Condition: **In Tolerance**
Physical Condition: **Good**
Cal. Procedure Used: DT-0044 Temperature Calibration
Cal. Due Date: **Per Customer SOP**

Customer UUT ID:

Reference Instrument: Fluke 1502A sPRT
Reference Instrument ID: 10249
Reference Calibration Date: 09Dec2013
Reference Calibration Due Date: 09Dec2014

AS LEFT DATA

M4T15811 °C	REFERENCE ITS-90 °C	DIFFERENCE °C	TOLERANCE ± °C	AS LEFT RESULT	U ± °C
-40.317	-40.315	-0.002	0.10	Pass	0.025
-20.333	-20.325	-0.008	0.10	Pass	0.026
-0.314	-0.318	0.004	0.10	Pass	0.027
19.694	19.685	0.009	0.10	Pass	0.026
39.709	39.701	0.008	0.10	Pass	0.024
59.697	59.707	-0.010	0.10	Pass	0.026
79.686	79.680	0.006	0.10	Pass	0.025
99.684	99.675	0.009	0.10	Pass	0.028
120.665	120.665	0.000	0.10	Pass	0.026
139.674	139.676	-0.002	0.10	Pass	0.028

Optional Low Temp. Data

-79.890	-79.880	-0.010	0.30	Pass	0.028
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Cryogenic Procedure Used: DT-1007.00 Cryo-Temp Calibration
Cryogenic Ref. Instrument: Fluke 1502A sPRT Reference Calibration Date: 07Aug2014
Cryogenic Ref. Inst. ID: 10382 Reference Calibration Due Date: 07Aug2015

Avg. ambient conditions during test: 25 °C, 25 % RH

Performed by: Ken Heinrich

Measurements are made by immersing the unit under test (UUT) together with a standard Platinum Resistance Thermometer into a well-stirred liquid bath. The intended use of the UUT is for total exposure to the process temperature. The reported uncertainty (U) is expanded at a coverage factor of 2 (k=2).

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/NC SL 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: _____