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•	Certificate o	f Calibration	
Certificate Number:	XXXXX		
Certificate Date:	XXXXXXXXX		
Customer:	XXXXXXXXX		
Instrument Under Test:	Model No EL-USB-1-LCD	Instrument Serial Number:	000040780
Test Equipment Used: Climatic Chamber Rotronic Hygroclip 2 HW4 The Hygroclip 2 is certified to The Climatic Chamber is use			ber:
Lab Environmental co	onditions at time of calibration	ation: Temp 20.5°C±1°C/ RH 52	% RH ±5% RH
		·	Uncertainty of
True Reading Instrume	ent Measured Value	Error	Measurement

True Reading Instrument Measured Value		Error		Measurement		
(°C)	(°C)		(°C)		(°C)	
	DISPLAY	GRAPH	DISPLAY	GRAPH		
-9.94	-10	-10.5	0.06	0.56	± (0.15°C + D)	
5.07	4.5	5.0	0.57	0.07	± (0.15°C + D)	
25.07	24.5	25.0	0.57	0.07	± (0.15°C + D)	
40.08	39.5	39.5	0.58	0.58	± (0.15°C + D)	

Temperature cycle and uniformity was conducted at full immersion with readings observed 5 minutes after stabalisation.

The reported expanded uncertainty multiplied by a coverage factor k = 2, providing a level of confidence of approximately 95%.

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Qualification of Standard Used

This is to certify that the stated instrument has been verified and calibrated at the measured values given in the results table on page 1 of this 2 page document using test equipment which itself has been calibrated and certified to the stated standard. The procedures and work instructions used to verify and calibrate the instrument are fully documented.

The errors reported refer to measured values only with no account being taken of the instrument's ability to maintain its calibration.

Signed:

Authorised Signatory

Sean Wigmore

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879 Maple St. Hopkinton, New Hampshire 03229



Certificate of Calibration

Report Number: 16-0909-00 Calibration Date: Friday, September 9, 2016 Calibration Due Date: September 9, 2017 Customer: Lascar Electronics, Inc. Customer PO #: N/A Sales Order #: N/A Manufacturer: Lascar Electronics, Inc. Model: EL-USB-1 Serial Number: 00000000

The above instrumentation has been calibrated and tested to meet or exceed the published specifications. This calibration and testing was performed using instrumentation and standards that are traceable to the United States Department of Commerce National Institute of Standards and Technology (NIST) and through NIST to the International System of Units (SI).

MDQ Calibration Laboratory is in compliance with ISO/IEC 17025:2005. This Calibration has been performed within the Lab's defined scope of accreditation. Any measurements not covered by the lab's scope are noted below. Uncertainties have been estimated at a 95 % confidence level (k=2). The uncertainty of measurement associated with the measurement result reported in this certificate is available from the organization upon request and was accounted for in making the decision of compliance or noncompliance with the relevant specification identified below. Any number of factors may cause a unit to drift out of tolerance before the calibration due date. This certificate may not be used to claim product endorsement by PJLA, NIST or any agency of the U.S government. Not valid without signature.

Calibration Environment: Temperature: 23.0 °C, Humidity (RH): 40.0 %

Method: Temperature Calibration Procedure Rev. A

Notes: None.

Calibration Information

As Found Data:	Ref. Value	As Read	Diff.	Spec.	Result
Temperature	25.0 °C	25.0 °C	+0.0 °C	± 1.0 °C	Pass
As Left Data:	Ref. Value	As Deed	D:#	0	Desult
AS Left Data.	Rei. Value	As Read	Diff.	Spec.	Result

As Found Accuracy: In Tolerance As Left Accuracy: In Tolerance

Standards Used for Calibration

GE SENSING Model M2801/IRTD-400, ITS-90, Serial Number I0102. Calibration due 3/14/17

Calibrated By: Peter Polizos Title: Lead Calibration Technician

This Certificate/Report shall not be reproduced, except in full, without the written consent of MDQ Calibration Lab.

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