



# CERTIFICATION OF ACCURACY

Onset Computer Corporation  
470 MacArthur Blvd., Bourne MA 02532  
Tel: (508) 759-9500 FAX (508) 759-9100 www.onsetcomp.com

Onset Computer Corporation certifies that the accuracy of temperature measurement made by the data logger system named below has been observed either by comparison with a Standard Reference Material (SRM) certified by the National Institute of Standards and Technology (NIST), or by the comparison with instrumentation traceable through an unbroken chain to a common calibration source maintained by NIST. This certification is made in compliance with the requirements set forth by the International Organization for Standardization, in standard: ISO10012:2003(E).

|                                   |                                 |
|-----------------------------------|---------------------------------|
| Report Number: 21932              | Data Logger Part Number: MX1101 |
| Contact Name: Tech Support        | Software Used: HOBOWare Pro     |
| Company Name: Onset Computer Corp | Version: 3.7                    |
| Order Number:                     | Serial Number: 10590063         |
| SRO Number:                       | Form Number: 3951               |

| Channel | Sensor   | Serial |
|---------|----------|--------|
| 1       | Internal |        |

## TEMPERATURE POINT 1

| Target: +25  | Temperature Source: Oil Bath | Reference Instrument: TE1-4047 |                        |               |      |
|--------------|------------------------------|--------------------------------|------------------------|---------------|------|
| Reference(C) | Observed(C)                  | Obs. Accuracy(C)               | Spec. Accuracy (+/- C) | Passed/Failed |      |
| Channel: 1   | 24.942                       | 24.968                         | 0.026                  | 0.183         | PASS |

# SAMPLE



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The 'reference instrument' is calibrated traceable to NIST and certification is on file at Onset Computer's corporate headquarters in Bourne, MA.

Between calibrations, the reference instruments are periodically checked for accuracy in an ice bath.

TE1-4047 is a Kaye Model #1 M2806/IRTD-500 Serial # 90147, last calibrated 03/17/2015 Onset Document # 4049-Q

The uncertainty of measurement made by the reference instrument(s) as compared to the actual temperature at the sensor of the logger is documented in Onset document 4048. The maximum expected combined uncertainty has been determined to be: +/- 0.091 (C). There is additional uncertainty due to the resolution of the particular Onset product being observed and is equal to one half of its resolution at a particular temperature. This additional uncertainty has been included in the calculation of the 'Specified Accuracy' of the data logger.

There is no statistical evidence to presuppose a drift of accuracy within this data logger and sensor while used within the specified operating environment. The user should evaluate the deployment conditions and project accuracy requirements to determine a reasonable confirmation interval. Otherwise, Onset recommends an annual recertification of accuracy.

Report Number: 21932

Procedure Used: 16911

Form Number: 3951

Order Number:

SRO Number:

Company Name: Onset Computer Corp

Filing Date: 6/9/2015

Laboratory Conditions: Within Limits

Logger Status: As Found

SAMPLE

Special Notes:

Certified by:

Observations Performed by:

Diane Enos

Michael Andrea