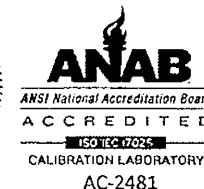




CERTIFICATE OF CALIBRATION



ACCREDITED CERTIFICATE NUMBER: NC-20-05-27-002

| | | | |
|------------------------------------|-------------------------------|--|--------------------------------|
| Device ID: | Temp | Calibration laboratory environmental conditions: | 18 °C – 25 °C, 20 %RH – 55 %RH |
| Calibration Certificate issued to: | MK Scientific Inc. | Calibration Date: | 2020-05-18 |
| | Attn: Mr. Koichi Izawa | Next Calibration Due: | 2021-05-18 |
| | 1500 Totsuka-cho, Totsuka-Ku, | MadgeTech Calibration Laboratory uses the shared risk approach as defined in | |
| | Yokohama 244-0003 | ILAC G8 when making compliance statements | |
| | Japan | | |

Cryo-Temp **Serial Number: R33720**
- Temperature -

Published Device Specifications Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ±1.0 °C Resolution: 0.1 °C
 Calibrated Accuracy Range: -86 °C to 35 °C

Channel 1 - Units of °C Expanded Uncertainty is not applied to Device Error

| Temperature Env. Temperature | Standard Actual Test Point | DUT Corrected Device As Left | Device Error =Device - Standard | Expanded Uncertainty Expressed at approx. 95% confidence level using coverage factor k = 2 |
|---------------------------------|-------------------------------|---------------------------------|------------------------------------|--|
| - | 80.000 25.15 | 80.0 25.2 | 0.0 0.1 | 0.068 0.12 |

Applied Correction Values

Gain: 1.0004396
 Offset: 0.03 °C

| Reference Equipment | Serial # | Certificate # | Last Calibration Date | Next Calibration Due |
|------------------------|---------------|---------------|-----------------------|----------------------|
| Fluke/Burns 1502A/3925 | 324068/871664 | 1866422-EXT | 2020-04-17 | 2020-06-01 |
| Vaisala HMP155 | M2320114 | 131238 | 2019-11-22 | 2020-11-22 |

Calibration Notes:

Calibrated By: Ian Reed

Date: 2020-05-27

Approved By Quality Inspector:

MadgeTech, Inc.

QC
2003

Date: 2020-05-27

MadgeTech, Inc. Calibration laboratory located at 6 Warner Road Warner, NH 03278 603-456-2011

The instrument identified was calibrated as a direct comparison to the reference standards listed which are traceable to the International System of Units (SI) through NIST or other National Metrology Institute and did not involve any sampling. Results reported on this certificate relate only to the serial number referenced at the time of calibration and do not imply certification of the device, process, system or technician by ANAB, NIST or any other federal agency. No allowance has been made for the stability of the device due to use, time, or wear. Such allowances would be made by the user. This certificate may not be reproduced, except in full, without written approval by MadgeTech, Inc.