

CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-269

Device Name: Cryo-Temp
Serial Number: T33201

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2025-06-25

Device ID: Temp
Issued to: Wessex Power Technology Ltd
Blandford Forum, Dorset DT11 9EX
United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33201

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ± 1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values

Gain: 1.003927
Offset: -0.16 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector:



Date:

2025-06-26

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.

CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-326

 Device Name: Cryo-Temp
 Serial Number: T33202

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33202

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

 Calibrated Accuracy: $\pm 1.0\text{ }^{\circ}\text{C}$
 Calibrated Accuracy Range: $-86\text{ }^{\circ}\text{C}$ to $35\text{ }^{\circ}\text{C}$

 Channel 1 - Units of $^{\circ}\text{C}$

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
-	-79.920	-79.9	0.020	0.067
-	25.03	25.0	-0.03	0.32

Applied Correction Values

 Gain: 1.0052823
 Offset: $-0.06\text{ }^{\circ}\text{C}$

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Daniel Woods

Approved By Quality Inspector: 

Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-281

Device Name: Cryo-Temp
Serial Number: T33203

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2025-06-25

Device ID: Temp
Issued to: Wessex Power Technology Ltd
Blandford Forum, Dorset DT11 9EX
United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33203

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ± 1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values

Gain: 1.0029745
Offset: -0.14 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector:



Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-292

Device Name: Cryo-Temp
Serial Number: T33204

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2025-06-25

Device ID: Temp
Issued to: Wessex Power Technology Ltd
Blandford Forum, Dorset DT11 9EX
United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33204

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ± 1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values

Gain: 1.0048795
Offset: -0.09 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector: 

Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-286

 Device Name: Cryo-Temp
 Serial Number: T33205

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp
- Temperature -
Serial Number: T33205
Published Device Specifications
Calibrated using MadgeTech WI No: 320409
Calibrated Accuracy: ±1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values
Gain: 1.003927
Offset: -0.06 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector:

Ciba

Date:

2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-305

 Device Name: Cryo-Temp
 Serial Number: T33206

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp
- Temperature -
Serial Number: T33206
Published Device Specifications
Calibrated using MadgeTech WI No: 320409
Calibrated Accuracy: ±1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values
Gain: 1.0048795
Offset: -0.09 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector:



Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-282

 Device Name: Cryo-Temp
 Serial Number: T33207

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp
- Temperature -
Serial Number: T33207
Published Device Specifications
Calibrated using MadgeTech WI No: 320409
Calibrated Accuracy: ±1.0 °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
-	-79.924	-79.9	0.024	0.067
-	25.06	25.1	0.04	0.32

Applied Correction Values
Gain: 1.0029745
Offset: -0.14 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Michael Flaherty

Approved By Quality Inspector:



Date:

2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-335

 Device Name: Cryo-Temp
 Serial Number: T33208

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp
- Temperature -
Serial Number: T33208
Published Device Specifications
Calibrated using MadgeTech WI No: 320409
Calibrated Accuracy: ±1.0 °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
-	-79.920	-79.9	0.020	0.067
-	25.03	25.0	-0.03	0.32

Applied Correction Values
Gain: 1.0043294
Offset: -0.13 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Daniel Woods

Approved By Quality Inspector: 

Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-322

 Device Name: Cryo-Temp
 Serial Number: T33209

 Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
 Calibration Date: 2025-06-25

 Device ID: Temp
 Issued to: Wessex Power Technology Ltd
 Blandford Forum, Dorset DT11 9EX
 United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp
- Temperature -
Serial Number: T33209
Published Device Specifications
Calibrated using MadgeTech WI No: 320409
Calibrated Accuracy: ± 1.0 °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
-	-79.920	-79.9	0.020	0.067
-	25.03	25.0	-0.03	0.32

Applied Correction Values
Gain: 1.0052823
Offset: -0.06 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

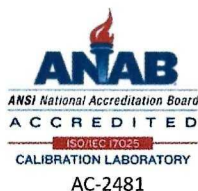
Calibrated By: Daniel Woods

Approved By Quality Inspector: 

Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-339

Device Name: Cryo-Temp
Serial Number: T33210

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2025-06-25

Device ID: Temp
Issued to: Wessex Power Technology Ltd
Blandford Forum, Dorset DT11 9EX
United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33210

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ± 1.0 °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
-	-79.920	-79.9	0.020	0.067
-	25.03	25.0	-0.03	0.32

Applied Correction Values

Gain: 1.0052823
Offset: -0.06 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Daniel Woods

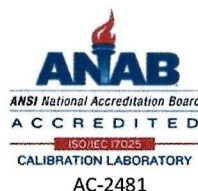
Approved By Quality Inspector:

Ciba

Date: 2025-06-26

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

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CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-345

Device Name: Cryo-Temp
Serial Number: T33211

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2025-06-25

Device ID: Temp
Issued to: Wessex Power Technology Ltd
Blandford Forum, Dorset DT11 9EX
United Kingdom

MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: T33211

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: ± 1.0 °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
-	-79.920	-79.9	0.020	0.067
-	25.03	25.0	-0.03	0.32

Applied Correction Values

Gain: 1.0062352
Offset: 0.02 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Hart 1502A / 5615	B41516 / 905885	2025003658	2025-03-04	2025-09-04
Vaisala HMP155	V3430350	2025005556	2025-03-27	2025-09-27

Calibration Notes:

Calibrated By: Daniel Woods

Approved By Quality Inspector:

Ciba

Date:

2025-06-26

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

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CERTIFICATE OF CALIBRATION



Deva Medical
1 Chandlers Court, Picow Farm Road, Runcorn, Cheshire
Tel 01928 567571
calibration@devamedical.co.uk
www.devamedical.co.uk



9385

Certificate No: UKAS 36062
Date Of Issue: 24 July 2025
Date Of Calibration: 24 July 2025
Issue No: 1
Issued By: M Rigby
Page: 1 of 1

Authorised Signatory

N Gargan

Customer: Deva Calibration Lab
Equipment: Set 20
Calibration Location: Deva Calibration Lab
Job Number: 36062

Procedure Number: ICM005 Rev C

Test Conditions:

Ambient Temperature: 22 °C

**The results stated on this certificate relate only to the equipment listed above*

Calibration Results:

Datalogger	Serial Number	-40°C Range		0°C Range		35°C Range	
		Applied	Indicated	Applied	Indicated	Applied	Indicated
MadgeTech CryoTemp	T33051	-39.6	-39.8	0.6	0.7	36.1	36.3
MadgeTech CryoTemp	T33052	-39.6	-39.8	0.6	0.5	36.1	36.0
MadgeTech CryoTemp	T33053	-39.6	-39.9	0.6	0.5	36.1	36.0
MadgeTech CryoTemp	T33061	-39.6	-39.6	0.6	0.7	36.1	36.2
MadgeTech CryoTemp	T33062	-39.6	-39.8	0.6	0.6	36.1	36.0
MadgeTech CryoTemp	T33069	-39.6	-39.6	0.6	0.6	36.1	36.1
MadgeTech CryoTemp	T33070	-39.6	-39.7	0.6	0.6	36.1	36.0
MadgeTech CryoTemp	T33072	-39.6	-39.6	0.6	0.6	36.1	36.0
MadgeTech CryoTemp	T33073	-39.6	-39.8	0.6	0.5	36.1	35.9
MadgeTech CryoTemp	T33199	-39.6	-39.5	0.6	0.7	36.1	36.2
MadgeTech CryoTemp	T33200	-39.6	-39.8	0.6	0.5	36.1	36.0

The measurement uncertainty on this certificate is ± 0.27 °C

The Logger Set is placed in a Climate Chamber and ran over the desired temperature range(s) for approximately 4 hours per temperature range. The data from the logger is downloaded and inserted in the Data Template. The data recorded by the UKAS certified Picolog Thermometer is also downloaded and inserted to the same template. The Data Template will calculate the Mean Value for the Applied and Indicated Temperature, and produce a Certificate.

END OF RESULTS

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service.

It provides traceability of measurement to the SI system of units and / or units of measurement realised at the National Physical Laboratory or other recognised national metrology institutes. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor $k=2$, providing a level of confidence of approximately 95%