



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-452

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S94870 Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S94870
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0064932
Offset: -0.01 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-452
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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.

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Certificate Number NC-24-07-08-452

QMS Form No. 421000 Rev 23



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-450

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S95295 Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95295
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0061725
Offset: 0.01 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-450
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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

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Certificate Number NC-24-07-08-450

QMS Form No. 421000 Rev 23



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-440

Device Name: Cryo-Temp
Serial Number: S95296

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95296

Published Device Specifications

Calibrated using Madgetech WI No: 320409

Calibrated Accuracy: $\pm 1.0^{\circ}\text{C}$ Resolution: 0.1°C
Calibrated Accuracy Range: -86°C to 35°C

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

Expanded Uncertainty is not applied to Device Error

Temperature	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0046293
Offset: -0.11°C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-440
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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.

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



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-456

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S95297 Calibration Date: 2024-07-08

Device ID: MultiChannel MadgeTech Calibration Laboratory uses the shared risk approach as defined in ILAC G8 when making
Issued to: Wessex Power Technology Ltd compliance statements
Blandford Forum, Dorset DT11 9EX
United Kingdom

Cryo-Temp - Temperature - Serial Number: S95297
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.006815
Offset: -0.03 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-456
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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-24-07-08-448

Device Name: Cryo-Temp
Serial Number: S95298
Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2024-07-08

Device ID: MultiChannel
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 **Serial Number: S95298**
Published Device Specifications **Calibrated using MadgetTech WI No: 320409**

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

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

Temperature	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0053767
Offset: -0.15 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-448
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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.

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



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-447

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH

Calibration Date: 2024-07-08

Device Name: Cryo-Temp
Serial Number: S95299

Device ID: MultiChannel
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: S95299

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: $\pm 1.0^{\circ}\text{C}$

Resolution: 0.1°C

Calibrated Accuracy Range: -86°C to 35°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
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0055419
Offset: 0.03°C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-447
Due date

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Certificate Number NC-24-07-08-447

QMS Form No. 421000 Rev 23

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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

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Certificate Number NC-24-07-08-447

QMS Form No. 421000 Rev 23



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-454

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S95300 Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95300
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0059723
Offset: 0 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-454
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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

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Certificate Number NC-24-07-08-454

QMS Form No. 421000 Rev 23



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-453

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH

Calibration Date: 2024-07-08

Device Name: Cryo-Temp
Serial Number: S95312

Device ID: MultiChannel
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 68 when making compliance statements

Cryo-Temp

- Temperature -

Serial Number: S95312

Published Device Specifications

Calibrated using Madgetech WI No: 320409

Calibrated Accuracy: $\pm 1.0^{\circ}\text{C}$

Resolution: 0.1°C

Calibrated Accuracy Range: -86°C to 35°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
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0063701

Offset: -0.11°C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-453
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-444

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S95313 Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95313
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0053421
Offset: 0.03 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-444
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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



CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-24-07-08-441

Device Name: Cryo-Temp Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Serial Number: S95314 Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95314
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	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0063649
Offset: 0.02 °C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-441
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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-24-07-08-455

Device Name: Cryo-Temp
Serial Number: S95320

Calibration laboratory environmental conditions: 18 °C – 25 °C, 20 %RH – 55 %RH
Calibration Date: 2024-07-08

Device ID: MultiChannel
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: S95320

Published Device Specifications

Calibrated using MadgeTech WI No: 320409

Calibrated Accuracy: $\pm 1.0^{\circ}\text{C}$
Calibrated Accuracy Range: -86°C to 35°C
Resolution: 0.1°C

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

Expanded Uncertainty is not applied to Device Error

Temperature	Standard	DUT Corrected	Device Error	Expanded Uncertainty
Env. Temperature	Actual Test Point	Device As Left	= Device - Standard	Expressed at approx. 95% confidence level using coverage factor k = 2
-	-79.907	-79.9	0.007	0.067
-	24.99	25.0	0.01	0.32

Applied Correction Values

Gain: 1.0061877
Offset: -0.14°C

Reference Equipment	Serial #	Certificate #	Last Calibration Date	Next Calibration Due
Fluke / Fluke 1502A / 5615	B24056 / 4991681	2024008897	2024-04-17	2024-10-17
Vaisala HMP155	P3420160	2024006692	2024-03-28	2024-09-28

Last date
2024-07-08
NC-24-07-08-455
Due date

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

James Howe

Date:

2024-07-09

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

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Certificate Number NC-24-07-08-455

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