Issued By Withnell Sensors Ltd

Date of Issue 7 May 2025

Certificate Number S42587.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



Withnell Sensors Ltd The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Tel: +44 (0)1254-831375 Fax: +44 (0)1254-919403

Email: service@withnellsensors.co.uk Web: www.withnellsensors.co.uk



4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42587

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET33, P10

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42587 Page 2 of 3

Certificate Number

S42587.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42587 Page 3 of 3

Certificate Number

S42587.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.005	-84.8	0.2	0.110

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 8 May 2025

Certificate Number S42594.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42594

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P05

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42594 Page 2 of 3

Certificate Number

S42594.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42594 Page 3 of 3

Certificate Number

S42594.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-84.998	-84.7	0.3	0.095

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 7 May 2025

Certificate Number \$42598.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42598

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET33, P08

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42598 Page 2 of 3

Certificate Number

S42598.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42598 Page 3 of 3

Certificate Number

S42598.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.005	-84.9	0.1	0.110

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 7 May 2025

Certificate Number S42625.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42625

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P04

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42625 Page 2 of 3

Certificate Number

S42625.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42625 Page 3 of 3

Certificate Number

S42625.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.005	-84.9	0.1	0.110

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 7 May 2025

Certificate Number \$42950.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42950

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P06

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42950 Page 2 of 3

Certificate Number

S42950.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42950 Page 3 of 3

Certificate Number

S42950.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.005	-84.8	0.2	0.110

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 8 May 2025

Certificate Number S42295.25042025

Page 1 of 3

Approved Signatory

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Signatory A. Goldie



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Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42295

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P07

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42295 Page 2 of 3

Certificate Number

S42295.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42295 Page 3 of 3

Certificate Number

S42295.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-84.998	-84.8	0.2	0.095

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 8 May 2025

Certificate Number S42304.25042025

Page 1 of 3

Approved Signatory

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Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42304

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P03

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42304 Page 2 of 3

Certificate Number

S42304.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42304 Page 3 of 3

Certificate Number

S42304.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-84.998	-84.7	0.3	0.095

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 8 May 2025

Certificate Number S42311.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42311

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET 33, P11

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42311 Page 2 of 3

Certificate Number

S42311.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42311 Page 3 of 3

Certificate Number

S42311.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-84.998	-84.6	0.4	0.095

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

Issued By Withnell Sensors Ltd

Date of Issue 7 May 2025

Certificate Number S42314.25042025

Page 1 of 3

Approved Signatory

Name Anne-Marie Goldie

Signatory A. Goldie



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4595

Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

Runcorn

WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42314

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 23 April 2025 - 25 April 2025

Check In Date 09 April 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

Identification Number SET33, P09

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42314 Page 2 of 3

Certificate Number

S42314.25042025

Calibration Procedure WSWI50 Datalogger

Calibration Method The unit under test was calibrated by comparison using

a high accurate temperature reference standard of known and traceable values of uncertainty. The measuring sensor(s) was placed in a liquid temperature bath and allowed to equilibrate for a period of 30 mins or more at each setpoint. Then a collection of samples were recorded and the average

sample reported.

Calibration Remarks Due to no adjustments being made, the AsLeft is equal

to the AsFound.

Test Conditions Ambient Temperature: 22°C ± 4°C

Relative Humidity: 40%RH ± 25%RH

Reference Standards [1] SN: AD014, Cert No: 02091 AD014, Cal Due Date:

06-August-2025

Withnell Sensors Ltd, The Old Silk Mill, Bury Lane, Withnell, Chorley, Lancashire PR6 8RX

Model: Cryo-Temp Serial Number: S42314 Page 3 of 3

Certificate Number

S42314.25042025

CHANNEL 1

AS FOUND

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.005	-84.8	0.2	0.110

End of Results

The results relate only to the items tested, calibrated or sampled. Unless specified, tolerances will be taken from the manufacturer's current specification.

If a pass/fail statement has been reported on this certificate it has been done on the basis of whether the limit was breached by the measured result, extended by the measurement uncertainty interval at a confidence level of 95% (*k*=2). The statement of conformity is applicable only to the measurements where a pass/fail statement has been reported.

CERTIFICATE OF CALIBRATION



Deva Medical

1 Chandlers Court, Picow Farm Road, Runcorn, Cheshire

Tel 01928 567571

calibration@devamedical.co.uk www.devamedical.co.uk



N Gargan



9385

Authorised Signatory

Certificate No: UKAS 35336

Date Of Issue: 2nd May 2025 **Date Of Calibration:** 2nd May 2025

Issue No:

Issued By: L Atherton Page: 1 of 1

Customer: Deva Calibration Lab

Equipment: Set 33

Calibration Location: Deva Calibration Lab

Job Number: 35336 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 I	Range	0°C R	ange	35°C F	Range
Datalogger	Serial Nullibel	Applied	Indicated	Applied	Indicated	Applied	Indicated
MadgeTech Cryo-Temp	S42304	-39.98	-40.1	-0.44	-0.5	34.51	34.4
MadgeTech Cryo-Temp	S42625	-39.98	-40.1	-0.44	-0.4	34.51	34.5
MadgeTech Cryo-Temp	S42594	-39.98	-40.1	-0.44	-0.5	34.51	34.5
MadgeTech Cryo-Temp	S42950	-39.98	-40.0	-0.44	-0.3	34.51	34.6
MadgeTech Cryo-Temp	S42295	-39.98	-40.0	-0.44	-0.3	34.51	34.6
MadgeTech Cryo-Temp	S42598	-39.98	-39.9	-0.44	-0.3	34.51	34.5
MadgeTech Cryo-Temp	S42314	-39.98	-40.0	-0.44	-0.5	34.51	34.3
MadgeTech Cryo-Temp	S42587	-39.98	-40.0	-0.44	-0.5	34.51	34.3
MadgeTech Cryo-Temp	S42311	-39.98	-40.1	-0.44	-0.6	34.51	34.2

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

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

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%







CERTIFICATE OF CALIBRATION

ACCREDITED CERTIFICATE NUMBER: NC-25-04-18-169

Calibration laboratory environmental conditions:

18 °C - 25 °C, 20 %RH - 55 %RH

Calibration Date:

2025-04-17

Device ID:

Device Name: Serial Number:

MultiChannel

Cryo-Temp

T25344

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: T25344

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
	-79.916	-79.9	0.016	using coverage factor k = 2 0.067
- Company of the Comp	25.04	25.0	-0.04	0.32

Applied Correction Values

Gain:

1.0053635

Offset:

0.04 °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	E0450052	2025003118	2025-02-28	2025-08-28

Calibration Notes:

Calibrated By:

Daniel Woods

Approved By Quality Inspector:

Date:

2025-04-18

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

AC-2481

ACCREDITED CERTIFICATE NUMBER: NC-25-06-25-309

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

Calibration Date:

2025-06-24

Device ID:

Device Name:

Serial Number:

Temp

T33050

Cryo-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: T33050

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	
	-79.914	-79.9	0.014	0.067	
A TO BE STOLEN OF THE STATE OF	25.01	25.0	-0.01	0.32	

Applied Correction Values

Gain:

1.0045557

Offset:

-0.12 °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



Deva Medical

1 Chandlers Court, Picow Farm Road, Runcorn, Cheshire Tel 01928 567571

calibration@devamedical.co.uk www.devamedical.co.uk



N Gargan



9385

Authorised Signatory

Certificate No: UKAS 36060

Date Of Issue: 25 July 2025 **Date Of Calibration:** 25 July 2025

Issue No:

Issued By: M Rigby Page: 1 of 1

Customer: Deva Calibration Lab

Equipment: SET 33

Calibration Location: Deva Calibration Lab

Job Number: 36060 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	S42295	-39.6	-39.9	0.6	0.5	36.1	36.1
MadgeTech CryoTemp	S42304	-39.6	-39.8	0.6	0.5	36.1	36.0
MadgeTech CryoTemp	S42311	-39.6	-39.9	0.6	0.4	36.1	36.0
MadgeTech CryoTemp	S42314	-39.6	-39.7	0.6	0.5	36.1	36.0
MadgeTech CryoTemp	S42587	-39.6	-39.8	0.6	0.5	36.1	36.2
MadgeTech CryoTemp	S42594	-39.6	-39.5	0.6	0.7	36.1	36.3
MadgeTech CryoTemp	S42598	-39.6	-39.7	0.6	0.5	36.1	36.1
MadgeTech CryoTemp	S42625	-39.6	-39.5	0.6	0.6	36.1	36.2
MadgeTech CryoTemp	S42950	-39.6	-39.7	0.6	0.4	36.1	35.9
MadgeTech CryoTemp	T25344	-39.6	-39.5	0.6	0.6	36.1	36.1
MadgeTech CryoTemp	T33050	-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

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

It provides traceability of measurement to theSI 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%