## **CERTIFICATE OF CALIBRATION**



Deva Medical

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

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N Gargan



9385

**Authorised Signatory** 

Certificate No: UKAS 36296

**Date Of Issue:** 06 August 2025 **Date Of Calibration:** 06 August 2025

Issue No:

Issued By: M Rigby Page: 1 of 1

Customer: Deva Calibration Lab

**Equipment:** SET 35

Calibration Location: Deva Calibration Lab

Job Number: 36296 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	-40°C Range		ange	35°C Range	
Datalogger	Serial Nulliber	Applied	Indicated	Applied	Indicated	Applied	Indicated
MadgeTech CryoTemp	S41941	-39.6	-39.9	0.5	0.4	36.1	36.0
MadgeTech CryoTemp	S41950	-39.6	-39.7	0.5	0.5	36.1	36.0
MadgeTech CryoTemp	S42194	-39.6	-39.9	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S42206	-39.6	-39.7	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S42208	-39.6	-39.8	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S42214	-39.6	-39.7	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S42300	-39.6	-39.8	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S42439	-39.6	-39.6	0.5	0.6	36.1	36.2
MadgeTech CryoTemp	S44698	-39.6	-39.7	0.5	0.4	36.1	36.0
MadgeTech CryoTemp	S46625	-39.6	-39.6	0.5	0.5	36.1	36.1
MadgeTech CryoTemp	S46730	-39.6	-39.8	0.5	0.4	36.1	36.0

#### The measurement uncertainty on this certificate is $\pm 0.27$ °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%

Issued By Withnell Sensors Ltd

Date of Issue 29 July 2025

Certificate Number S41941.17072025

Page 1 of 3

**Approved Signatory** 

Name Anne-Marie Goldie

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 S41941

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S41941 Page 2 of 3

Certificate Number

S41941.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S41941 Page 3 of 3

Certificate Number

S41941.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-85.1	-0.1	0.121

### **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 29 July 2025

Certificate Number S41950.17072025

Page 1 of 3

**Approved Signatory** 

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Company Information Deva Medical Electronics

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S41950

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S41950 Page 2 of 3

Certificate Number

S41950.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S41950 Page 3 of 3

Certificate Number

S41950.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-85.0	0.0	0.121

### **End of Results**

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Issued By Withnell Sensors Ltd

Date of Issue 29 July 2025

Certificate Number S42194.29072025

Page 1 of 3

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Company Information Deva Medical Electronics

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42194

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 25 July 2025 - 29 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42194 Page 2 of 3

Certificate Number

S42194.29072025

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: Q0746, Cert No: 02222 Q0746, Cal Due Date:

04-July-2026

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

Model: Cryo-Temp Serial Number: S42194 Page 3 of 3

Certificate Number

S42194.29072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-80	1.00	-80.025	-80.0	0.0	0.103

### **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 29 July 2025

Certificate Number S42206.17072025

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Company Information Deva Medical Electronics

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42206

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42206 Page 2 of 3

Certificate Number

S42206.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S42206 Page 3 of 3

Certificate Number

S42206.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-84.9	0.1	0.121

### **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 29 July 2025

Certificate Number S42208.17072025

Page 1 of 3

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42208

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42208 Page 2 of 3

Certificate Number

S42208.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S42208 Page 3 of 3

Certificate Number

S42208.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-84.7	0.3	0.121

### **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 29 July 2025

Certificate Number S42214.17072025

Page 1 of 3

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Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42214

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42214 Page 2 of 3

Certificate Number

S42214.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S42214 Page 3 of 3

Certificate Number

S42214.17072025

### **CHANNEL 1**

#### **AS FOUND**

	Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
_	-85	1.00	-85.027	-84.8	0.2	0.121

### **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 29 July 2025

Certificate Number S42300.29072025

Page 1 of 3

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Company Information Deva Medical Electronics

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42300

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 25 July 2025 - 29 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42300 Page 2 of 3

Certificate Number

S42300.29072025

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: Q0746, Cert No: 02222 Q0746, Cal Due Date:

04-July-2026

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

Model: Cryo-Temp Serial Number: S42300 Page 3 of 3

Certificate Number

S42300.29072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-80	1.00	-80.025	-80.0	0.0	0.103

### **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 29 July 2025

Certificate Number S42439.29072025

Page 1 of 3

**Approved Signatory** 

Name Anne-Marie Goldie

Signatory A. Goldie



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Company Information Deva Medical Electronics

1 Chanders Court Picow Farm Road

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Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S42439

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 25 July 2025 - 29 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S42439 Page 2 of 3

Certificate Number

S42439.29072025

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: Q0746, Cert No: 02222 Q0746, Cal Due Date:

04-July-2026

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

Model: Cryo-Temp Serial Number: S42439 Page 3 of 3

Certificate Number

S42439.29072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-80	1.00	-80.025	-80.1	-0.1	0.103

### **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 29 July 2025

Certificate Number S44698.17072025

Page 1 of 3

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Company Information Deva Medical Electronics

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WA7 4UH Cheshire United Kingdom

Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S44698

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S44698 Page 2 of 3

Certificate Number

S44698.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S44698 Page 3 of 3

Certificate Number

S44698.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-84.7	0.3	0.121

### **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 29 July 2025

Certificate Number S46625.17072025

Page 1 of 3

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Company Information Deva Medical Electronics

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Order No BACS

Manufacturer MadgeTech

Model Cryo-Temp

Serial Number S46625

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S46625 Page 2 of 3

Certificate Number

S46625.17072025

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

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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: AD001, Cert No: 02217 AD001, Cal Due Date:

20-June-2026

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

Model: Cryo-Temp Serial Number: S46625 Page 3 of 3

Certificate Number

S46625.17072025

### **CHANNEL 1**

### **AS FOUND**

Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
-85	1.00	-85.027	-84.8	0.2	0.121

### **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 29 July 2025

Certificate Number S46730.17072025

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**Approved Signatory** 

Name Anne-Marie Goldie

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 S46730

Description MadgeTech Ultra Low Temperature Logger

Calibration/Activity Date 16 July 2025 - 17 July 2025

Check In Date 04 June 2025

Performed By Tom Elstone

Location Withnell Sensors Ltd

Notes No comments

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

Model: Cryo-Temp Serial Number: S46730 Page 2 of 3

Certificate Number

S46730.17072025

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: AD001, Cert No: 02217 AD001, Cal Due Date:

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

Model: Cryo-Temp Serial Number: S46730 Page 3 of 3

Certificate Number

S46730.17072025

### **CHANNEL 1**

### **AS FOUND**

	Set-Point °C	Spec ±°C	Standard °C	UUT °C	Error °C	Measurement Uncertainty ±°C
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### **End of Results**

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