

CERTIFICATE OF CALIBRATION



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9385

Certificate No: UKAS 24323
Date Of Issue: 30 April 2024
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Issue No: 1
Issued By: M Rigby
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Authorised Signatory

N Gargan

Customer: Deva Calibration Lab
Equipment: Set 33
Calibration Location: Deva Calibration Lab
Job Number: 24323

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 Cryo-Temp	S42308	-39.98	-40.1	-0.44	-0.3	34.51	34.6
MadgeTech Cryo-Temp	S42227	-39.98	-40.1	-0.44	-0.4	34.51	34.5
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	S44698	-39.98	-40.1	-0.44	-0.6	34.51	34.2

The measurement uncertainty on this certificate is ± 0.24 °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%