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Authorised Signatory:

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CALIBRATION CERTIFICATE
No: CERT: 200415-01

CUSTOMER & INSTRUMENT DETAILS

Customer:	
Make:	
Model:	
Description:	
Serial No:	
Customer Ref:	
Location:	
Test Date	
Cal Period	

Calibration Procedure

Test instrument was stabilized at room temperature and then inserted into an AMETEK CTC-140A dry well set to the required calibration temperature. At the same time the reference thermometer to be used for the calibration was also inserted. Both instruments were left for a period of fifteen minutes to achieve a stabilized accurate temperature. The test unit was then calibrated using a comparison between the reference and the test instrument readings.

Reference Thermometer Details
UKAS calibrated LAB FACILITY TEMPMASTER (Cert Number: 3091).

Environmental Conditions	
Temperature °C	20
Humidity %RH	55

Test Result (Degrees Centigrade)

Test Temperature	Reference Temperature	Test Instrument Reading	Calibration Result
-25	-25.01	-24.7	-0.31
+10	+10.01	+10.2	+0.19
+45	+44.98	+45.0	+0.02

Remarks

Calibration details are valid only between the temperature values shown in the relevant result tables. Results are as found no adjustments undertaken.

Uncertainty calculated at +/- 0.17 °C between -30°C and 250°C + Instrument Resolution

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

Results indicate performance of instrument at time of measurement, with no warranty as to specification, repeatability or long term stability. All figures are a correct record of the measurements made and are traceable to United Kingdom national standards and to the units of measurement realised at the National Physical Laboratory. This certificate is issued on the understanding that it may not be reproduced other than in full except with the prior written approval of the issuing body