

# CERTIFICATE OF CALIBRATION

**Issued By** Instruments To Industry Ltd

**Date of Issue** 07-Jun-10

Serial Number

070610-11

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**Instruments To Industry Ltd**  
**Instrument House , Woodward Rd**  
**Knowsley Industrial Park**  
**Liverpool L33 7UZ**  
**Tel 0151 546 4943 Fax 0151 548 6262**

Approved Signatory

R.Carr

D.Smith

S.P.Ashbrook

**Customer :** A & N Plant  
St Helens

**Date Received :** 07-Jun-10

**Instrument - Description :** Heat Inductor  
**Ident Number :** P070610-11  
**Manufacturer :** Miller  
**Model Number :** Proheat 35  
**Serial Number :** IH-MMA120093/MA120093G  
**Procedure Version :** 1

## Environmental Conditions

Temperature : 20°C +/- 1°C  
Relative Humidity : 50% +/- 0.5%

Mains Voltage : 240V +/- 5V  
Mains Frequency : 50Hz +/- 5Hz

## Comments

This Instrument Was Calibrated Against Laboratory Standards Whose Values Are Traceable To Recognised National Standards , Or Are Derived By Approved Ratio Techniques. The Uncertainty Limits Quoted Refer To The Measured Values Only , With No Account Being Taken Of The Instruments Ability To Maintain Its Calibration. Traceable Via UKAS Lab No 0324.All Tests Passed

## Traceability Information

<i>Instrument description</i>	<i>Serial number</i>	<i>Certificate number</i>	<i>Cal. date</i>	<i>Cal. period</i>
5075 Precision Multimeter	1011 22	15052	21/11/08	104
9822 Multifunction Calibrator	1336CO / TE22	15057	24/11/08	104

**Calibrated By :** D.Smith

**Date of Calibration :** 07-Jun-10

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This certificate complies with the requirements of B.S.5781, part 1 1992. (ISO 10012 - 1 1992).

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Test Title	Tolerance	Applied Value	Reading	% Of Spec	Uncertainties
<b>TC1 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°F
882°F	3°f	882°f	880°f	67%	600m°f
1382°F	3°f	1 382°f	1 380°f	67%	600m°f
<b>TC2 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°f
882°F	3°f	882°f	880°f	67%	600m°F
1382°F	3°f	1 382°f	1 380°f	67%	600m°F
<b>TC3 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°F
882°F	3°f	882°f	880°f	67%	600m°f
1382°F	3°f	1 382°f	1 380°f	67%	600m°f
<b>TC4 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°f
882°F	3°f	882°f	880°f	67%	600m°f
1382°F	3°f	1 382°f	1 380°f	67%	600m°F
<b>TC5 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°f
882°F	3°f	882°f	880°f	67%	600m°F
1382°F	3°f	1 382°f	1 380°f	67%	600m°F
<b>TC6 Input Indication</b>					
382°F	3°f	382°f	380°f	67%	600m°f
882°F	3°f	882°f	880°f	67%	600m°f
1382°F	3°f	1 382°f	1 380°f	67%	600m°F

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Test Title	Tolerance	Applied Value	Reading	% Of Spec	Uncertainties
<b>TC1 Output Voltage</b>					
382°F	38mV	2.787V	2.785V	6%	7.6mV
882°F	38mV	6.013V	6.011V	6%	7.6mV
1382°F	38mV	9.239V	9.237V	6%	7.6mV
<b>TC2 Output Voltage</b>					
382°F	38mV	2.787V	2.784V	8%	7.6mV
882°F	38mV	6.013V	6.011V	6%	7.6mV
1382°F	38mV	9.239V	9.237V	6%	7.6mV
<b>TC3 Output Voltage</b>					
382°F	38mV	2.787V	2.785V	6%	7.6mV
882°F	38mV	6.013V	6.010V	8%	7.6mV
1382°F	38mV	9.239V	9.236V	8%	7.6mV
<b>TC4 Output Voltage</b>					
382°F	38mV	2.787V	2.785V	6%	7.6mV
882°F	38mV	6.013V	6.010V	8%	7.6mV
1382°F	38mV	9.239V	9.237V	6%	7.6mV
<b>TC5 Output Voltage</b>					
382°F	38mV	2.787V	2.785V	6%	7.6mV
882°F	38mV	6.013V	6.011V	6%	7.6mV
1382°F	38mV	9.239V	9.236V	8%	7.6mV
<b>TC6 Output Voltage</b>					
382°F	38mV	2.787V	2.785V	6%	7.6mV
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