

CERTIFICATE OF CALIBRATION

Issued By Instruments To Industry Ltd

Date of Issue 07-Jun-10

Serial Number

070610-13

Page 1 of 3 pages

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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 : P070610-13
Manufacturer : Miller
Model Number : Proheat 35
Serial Number : IH-MMA120095/MA120095G
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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Serial Number
070610-13

Page 2 of 3 pages

Test Title	Tolerance	Applied Value	Reading	% Of Spec	Uncertainties
TC1 Input Indication					
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
TC2 Input Indication					
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
TC3 Input Indication					
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
TC4 Input Indication					
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
TC5 Input Indication					
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
TC6 Input Indication					
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

CERTIFICATE OF CALIBRATION

Serial Number
070610-13

Page 3 of 3 pages

Test Title	Tolerance	Applied Value	Reading	% Of Spec	Uncertainties
TC1 Output Voltage					
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
TC2 Output Voltage					
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
TC3 Output Voltage					
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
TC4 Output Voltage					
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
TC5 Output Voltage					
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
TC6 Output Voltage					
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