

CERTIFICATE OF CALIBRATION

Issued By Instruments To Industry Ltd

Date of Issue 07-Jun-10

Serial Number

070610-01

Page 1 of 3 pages

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 : P070610-01
Manufacturer : Miller
Model Number : Proheat 35
Serial Number : IH-MMA120096/MA120096G
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

Copyright of this certificate is owned by the issuing laboratory and may not be reproduced except with the prior written approval of the issuing laboratory.

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

CERTIFICATE OF CALIBRATION

Serial Number
070610-01

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
070610-01

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	6.012V	3%	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	9.237V	6%	7.6mV
TC5 Output Voltage					
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
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