CERTIFICATE OF CALIBRATION

ISSUED BY: LAMBDA CALIBRATION LTD

DATE OF ISSUE: 14-Jul-14 CERTIFICATE No: 311689

UKAS CALIBRATION 0495

Lambda CALIBRATION LTD

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APPROVED SIGNATORY

J Carmichael K Quigley
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Customer:	Premier Autoclaves Service & Solutions Ltd, Keighley BD20 5LN
Item No:	61021066
Description:	A used Druck DPI 610 Digital Pressure Calibrator
Date of Cal:	10-Jul-14
Basis:	Procedure No. C.I.M-101, C.I.E-01&03 and the Manufacturer's Specifications
Equipment Used:	LDP-06, LDW-100-02, LMMC-10
Temperature:	20°C +/- 1.5°C
Calibration Medium:	0-1.1 bar Abs: Air, 1.1-7 bar Abs: Nitrogen
Inlet Port Orientation:	Vertical
Pressure Ref Point:	The top of the pressure inlet port
Visual Examination:	The instrument casing is cracked around the pressure port. Battery replaced
Notes:	
Manufacturers Specifications:	Pressure: ± 0.025% FSD Voltage: ±(0.05% Rdg + 0.004% FS) Current: ±(0.05% Rdg + 0.004% FS)
Uncertainty of Measurement:	0 to 1.1 bar Abs: ±0.00012 bar + readability of UUT 1.1 to 7 bar Abs : ±0.0087% of applied pressure + 0.00014 bar + readability of UUT DC Voltage: ±120ppm + readability of UUT DC Current: ±0.08% + readability of UUT
Comments:	The reported results fall within the manufacturers specification

The SI unit of pressure is the pascal (Pa) ... 1MPa=10bar=145.038lbf/in^2=10.1972kgf/cm^2. 1kPa=10mbar=0.2953inHg=7.50062mmHg=4.01463inH_2O.

The reported expanded uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95%. The uncertainty evaluation has been carried out in accordance with UKAS requirements.

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UKAS ACCREDITED LABORATORY No: 0495

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Range Max:	7	Resolution:	0.0001	Units:	bar Abs
Range Min:	0	Readability:	0.0001		

Applied Pressure [1]	UUT Reading [2]	Deviation [2] - [1]	Deviation as % FSD
0.05000	0.0510	0.0010	0.014
0.50000	0.5008	0.0008	0.011
1.00000	1.0008	0.0008	0.011
2.00991	2.0108	0.0009	0.013
3.01041	3.0113	0.0009	0.013
4.01083	4.0116	0.0008	0.011
5.01130	5.0120	0.0007	0.010
6.01179	6.0124	0.0006	0.009
7.01223	7.0127	0.0005	0.007
6.01182	6.0125	0.0007	0.010
5.01127	5.0121	0.0008	0.012
4.01090	4.0118	0.0009	0.013
3.01046	3.0114	0.0009	0.013
2.00992	2.0109	0.0010	0.014
1.00000	1.0009	0.0009	0.013
0.50000	0.5009	0.0009	0.013
0.05000	0.0510	0.0010	0.014

DC Voltage Accuracy

Before Adjustment UUT Reading (Vdc) [1]	Actual Applied Voltage (Vdc) [2]	Deviation [2] - [1]
40.000	40.0060	0.0060
25.000	25.0040	0.0040
10.000	10.0010	0.0010
-10.000	-10.0020	-0.0020
-30.000	-30.0050	-0.0050

DC Current Accuracy

Before Adjustment UUT Reading (mAdc) [1]	Actual Applied Current (mAdc) [2]	Deviation [2] - [1]
10.000	9.9990	-0.0010
25.000	24.9970	-0.0030
50.000	50.0020	0.0020