CERTIFICATE OF CALIBRATION

ISSUED BY: LAMBDA CALIBRATION LTD

DATE OF ISSUE: 29-May-14 CERTIFICATE No: 306520

UKAS CALIBRATION 0495

Lambda CALIBRATION LTD

11-13 Chorley Central Business Park
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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:	61022692
Description:	A used Druck DPI 610 (is) Digital Pressure Calibrator
Date of Cal:	28-May-14
Basis:	Procedure No. C.I.M-101, C.I.E-01&03 and the Manufacturer's Specifications
Equipment Used:	LDP-15 , LDW-100-02, LMMC-04, LVD-21
Temperature:	20°C +/- 1.5°C
Calibration Medium:	0 to -1 bar: Air, 0 to 20 bar: Nitrogen
Inlet Port Orientation:	Vertical
Pressure Ref Point:	The top of the pressure inlet port
Visual Examination:	Display damaged
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 bar: ±0.0004 bar + readability of UUT 0 to 20bar : ±0.0087 % of applied pressure + 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:	20	Resolution:	0.001	Units:	bar
Range Min:	-1	Readability:	0.001		

Applied Pressure [1]	UUT Reading [2]	Deviation [2] - [1]	Deviation as % FSD
-0.9500	-0.951	-0.0010	-0.005
0.0000	0.000	0.0000	0.000
0.6899	0.691	0.0011	0.005
4.1398	4.140	0.0002	0.001
8.2798	8.280	0.0002	0.001
12.4197	12.420	0.0003	0.001
16.5592	16.560	0.0008	0.004
20.0086	20.010	0.0014	0.007
16.5592	16.560	0.0008	0.004
12.4197	12.420	0.0003	0.001
8.2798	8.280	0.0002	0.001
4.1398	4.140	0.0002	0.001
0.6899	0.690	0.0001	0.000
0.0000	0.000	0.0000	0.000
-0.9500	-0.950	0.0000	0.000

DC Voltage Accuracy

Before Adjustment UUT Reading (Vdc) [1]	Actual Applied Voltage (Vdc) [2]	Deviation [2] - [1]
30.000	30.0144	0.0144
25.000	25.0114	0.0114
10.000	10.0060	0.0060
-10.000	-10.0010	-0.0010
-30.000	-30.0097	-0.0097

DC Current Accuracy

Before Adjustment UUT Reading (mAdc) [1]	Actual Applied Current (mAdc) [2]	Deviation [2] - [1]
10.000	10.0005	0.0005
25.000	24.9987	-0.0013
50.000	49.9957	-0.0043