

# CERTIFICATE OF CALIBRATION



0173

DATE OF ISSUE

DATE OF CALIBRATION

CERTIFICATE NUMBER

12 March 2008

29 February 2008

N12423

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ORDER NUMBER MAR-21372 (received on 12/03/08)  
YOUR REFERENCE N/A  
OUR REFERENCE S24785/18173  
DATE RECEIVED 15 February 2008

DESCRIPTION A portable pressure indicator with an integral display.

MAKE Druck Limited  
TYPE DPI 601  
YOUR SERIAL NUMBER N/A  
MAKER'S SERIAL NO. 11277/94-3

RANGE 0 to 7 bar Gauge  
MEDIUM Oxygen free nitrogen

*Previous Certificate*

N13801/07

*Laboratory*

0436

*Date*

20 June 2007

The calibration was conducted in a laboratory maintained at a temperature of  $20^{\circ}\text{C} \pm 2^{\circ}\text{C}$  in accordance with the applicable calibration procedures of Daco Scientific Limited. The instrument was energised for a minimum of one hour before the calibration was undertaken. The instrument was calibrated against a pressure standard traceable to the National Physical Laboratory. The instrument output was read on the integral digital display. Prior to calibration the instrument was exercised three times between zero pressure and full-scale pressure. The instrument's zero was then set. Pressure was applied to the test port of the instrument in increasing and decreasing steps. The instrument was not adjusted.

This certificate is issued in accordance with the laboratory accreditation requirements of the United Kingdom Accreditation Service. It provides traceability of measurement to recognised national standards, and to units of measurement realised at the National Physical Laboratory or other recognised national standards laboratories. This certificate may not be reproduced other than in full, except with the prior written approval of the issuing laboratory.

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UKAS ACCREDITED CALIBRATION LABORATORY No. 0173

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## RESULTS

<u>Applied Pressure - Gauge</u>	<u>Uncertainty</u>	<u>Reading</u>
bar	± bar	bar
0.000 00	N/A	0.000 0
1.400 00	0.000 181	1.399 4
2.800 00	0.000 173	2.799 6
4.200 00	0.001 500	4.199 5
5.600 00	0.001 509	5.599 4
7.000 00	0.001 520	6.999 2
5.600 00	0.001 509	5.599 4
4.200 00	0.001 500	4.199 3
2.800 00	0.000 173	2.799 5
1.400 00	0.000 181	1.399 3
0.000 00	N/A	- 0.000 1

## Notes

1. The reference level for the calibration was taken to be top edge of the instrument's inlet port.
2. The uncertainty of calibration is equal to the uncertainty of the applied pressure plus the resolution of the instrument. These values should be added in quadrature taking a normal distribution for the former and a rectangular distribution for the latter.
3. The S.I. unit of pressure is the Pascal (Pa). 1 bar = 100 000 Pa.

A handwritten signature in black ink, appearing to read "Johnson".