

# CPS (NZ) LIMITED

## CALIBRATION CERTIFICATE

Submitted By : **CPS (NZ) Ltd - Auckland**

P.O.Box 12 684, Penrose  
"Rn 3"

### Item details

Manufacturer : **Crystal Engineering**  
Serial No : **305206**  
Gauge Range : **0-3000 kPa.**  
Graduations : **0.10 kPa**

Report No : **CPS 3Z029**  
Date of Test : **19/03/2009**  
Test Method : **EN 837-1 9.1**  
Date of Certificate : **19/03/2009**  
Temperature : **20 deg C**

This item was calibrated by comparison using an **DHI PPC3** gauge tester, serial number **316** (which was calibrated by **DHI Instruments**, report number : **58706**) using **Nitrogen**.

## CALIBRATION RESULTS

Scale Units : **kPa**

<u>INCREASING PRESSURES</u>			<u>DECREASING PRESSURES</u>		
<u>Applied</u>	<u>Gauge</u>	<u>Correction</u>	<u>Applied</u>	<u>Gauge</u>	<u>Correction</u>
0.0	0.0	0.0	3000.0	3000.3	-0.3
250.0	250.0	0.0	2750.0	2750.2	-0.2
500.0	500.0	0.0	2500.0	2500.2	-0.2
750.0	750.0	0.0	2250.0	2250.2	-0.2
1000.0	1000.0	0.0	2000.0	2000.2	-0.2
1250.0	1250.0	0.0	1750.0	1750.2	-0.2
1500.0	1500.1	-0.1	1500.0	1500.2	-0.2
1750.0	1750.1	-0.1	1250.0	1250.2	-0.2
2000.0	2000.2	-0.2	1000.0	1000.0	0.0
2250.0	2250.3	-0.3	750.0	750.1	-0.1
2500.0	2500.3	-0.3	500.0	500.1	-0.1
2750.0	2750.3	-0.3	250.0	250.1	-0.1
3000.0	3000.4	-0.4	0.0	0.0	0.0

Corrections may be added to the readings (observing the sign of the correction) to obtain the corrected reading.

The combined uncertainty for this item is **0.3 kPa**.

The readability of this gauge is considered to be **+/- 0.1 kPa** (1.000 graduation).

This item was calibrated in the vertical plane.

No adjustments were made to this item.

This item complies with the accuracy requirements of **EN 837-1 9.1** for a Class **0.1** Gauge.

This indicated accuracy is within **0.10 %** of the full scale, **+/- 3.0 kPa**

This indicated accuracy is within **0.1%** of reading between **20% and 100%** of full scale.



All measurements reported herein have been performed in accordance with the laboratory's scope of accreditation

Tested By :

Chris  
Chris Woudenberg

(Authorized Signatory)

Checked By :

Kim  
Kim Kusel