

## Pharmatherm the Calibration Specialists 'Pressure Explained'

### PharmaTherm Pressure Probe Calibration Standard Operating Procedure



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#### Revision History

This is the first issue of this document.

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01	22.01.2015	Issued for Client comment
		Client comments completed

**PharmaTherm Pressure Probe Calibration Standard Operating Procedure, this section must be signed-off for approval of the document before the document can be distributed for use.**

Report Approval:

Approved By - \_\_\_\_\_ [Date]

Validation Engineer Andrew Varley

### **Pressure Transducer Probe Calibration Procedure:**

Before you perform calibrations check that all of the calibration equipment being used has valid calibration certificate traceable national standards.

Ensure that the correct permit to work and risk assessment has been signed

### **Calibration Equipment:**

1. Druck Pressure Calibrator DP610

### **Method:**

1. Before starting any calibration set up, record the pressure reading in accordance with the PharmaTherm calibration certificate form.
2. Connect the pressure transducer to the Druck calibrator and check for any leaks.
3. The transducers should be calibrated by two pots zero and span located under the terminal cover, it is important to use these pots with an isolated screw driver.
4. The transducer is sealed refer to the instrument pressure calibration set-up.
5. Adjust the low set point (zero set point) at vacuum (typically 0.200 Bar or less).
6. Adjust the high set point (span set point) by applying pressure to full scale of the transducer, (i.e. 0 - 4 Bar transducer span should be calibrated at 4 Bar).
7. Check the full scale and return to zero three times before completing the calibration process.

8. Pressure calibration verification; verify that the calibrated transducer is within the calibration criteria. Complete the calibration certificate in accordance with the PharmaTherm form.
9. Complete the PharmaTherm standard pressure probe calibration certificate form. Check that all of the documented pressure probe readings, cell constant offsets and cell constant offset adjustments are documented / completed before signing the calibration certificate.
10. Complete the calibration label and attach the calibration label to the pressure probe instrument calibrated.

Contact Pharmatherm for further advice on pressure calibration setups contact us for quotation however large or small the project maybe. We aim to provide a competitive validation service. Please 'don't delay and contact PharmaTherm today' email: [info@pharmatherm.ie](mailto:info@pharmatherm.ie)

See the Pharmatherm website please log onto [www.pharmatherm.ie](http://www.pharmatherm.ie) technical/training page



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