XAP Pressure Calibration Software
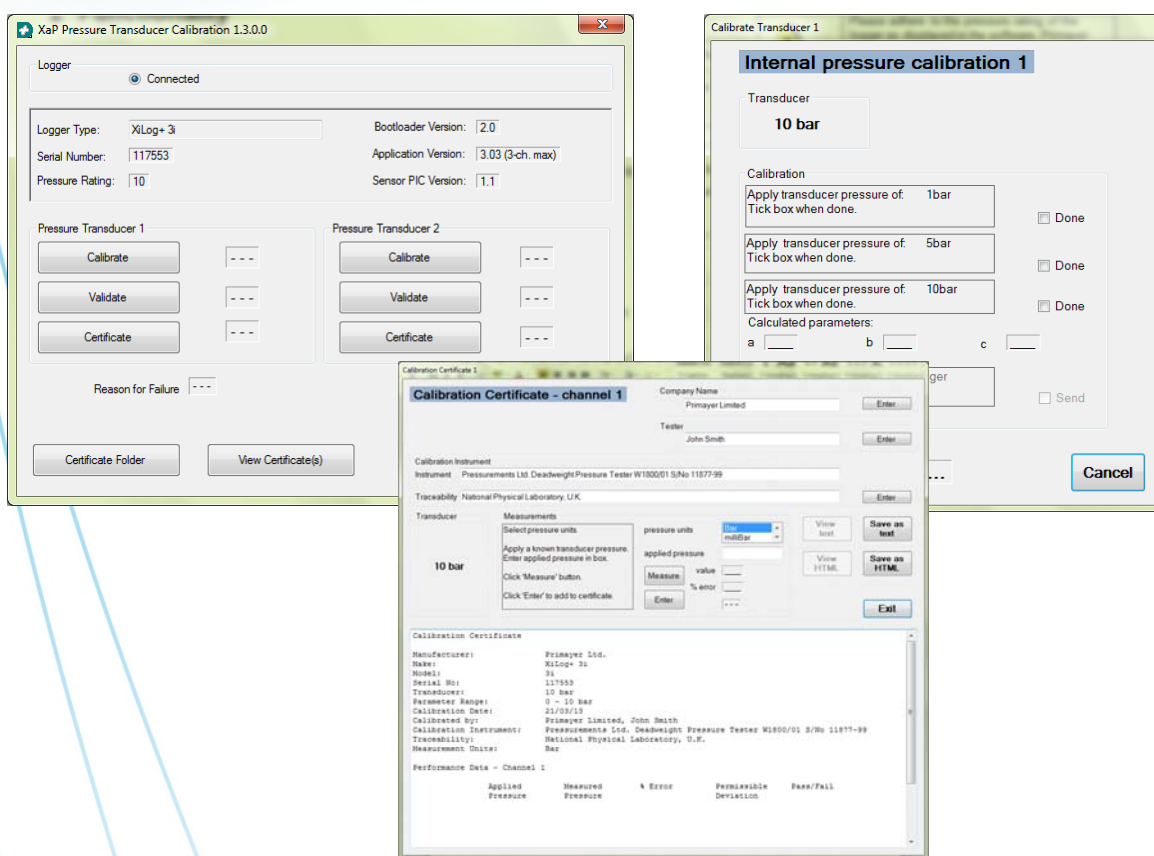
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Application

This software allows the accuracy of the XiLog+ and PrimeLog+ data logger pressure channels to be maintained by carrying out regular calibration and verification. To use the software access to a calibrated pressure source, such as a deadweight tester, is necessary. The software keeps a record of each logger verification process to give an audit trail of pressure logger accuracy.

This software is only for calibration of internal pressure channels of XiLog+ and PrimeLog+ data loggers. It is not suitable for use with older XiLog and PrimeLog data loggers.

Operation

Three options are available for each data logger internal pressure channel:

- Calibrate
- Validate
- Certificate

Test pressure points will be requested, which are low-range, mid-range and full-range of the transducer. The deadweight tester, or other pressure source, must have an accuracy of at least four times the transducer under test. After applying each different pressure value, the measured value will be displayed, along with a percentage error.

A certificate can be produced which includes the company name, tester, instrument and traceability, together with the calibration values.

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