VAISALA



Certificate report No B01-15280002

# CALIBRATION CERTIFICATE

**after adjustment**

| | |
|---|---|
| **Customer** | Campbell Scientific |
| **Instrument** | PTB101B Analog barometer |
| **Serial number** | B0310006 |
| **Manufacturer** | Vaisala Oyj, Finland |
| **Calibration date** | 8th July 2015 |
| **Test procedure** | doc210609a |

This instrument has been calibrated against a Vaisala PTB220 factory working standard which has been calibrated against a Ruska 2465 pressure balance traceable to the National Institute of Standards and Technology (NIST, USA) at Vaisala Measurement Standards Laboratory (MSL). Vaisala MSL has been accredited by the Finnish Accreditation System (FINAS) according to ISO/IEC 17025 standard.

At the time of shipment, the instrument described above met its operating specifications.

## Calibration results

| Reference pressure hPa | Observed pressure hPa | Correction* hPa | Uncertainty** hPa |
|---|---|---|---|
| 619.6 | 619.6 | 0.0 | ± 0.15 |
| 699.6 | 699.6 | 0.0 | ± 0.15 |
| 799.7 | 799.6 | 0.1 | ± 0.15 |
| 849.6 | 849.5 | 0.1 | ± 0.15 |
| 899.6 | 899.5 | 0.1 | ± 0.15 |
| 949.6 | 949.5 | 0.1 | ± 0.15 |
| 999.6 | 999.5 | 0.1 | ± 0.15 |
| 1059.7 | 1059.8 | -0.1 | ± 0.15 |

*To obtain the true pressure, add the correction to the barometer reading. Interpolated corrections may be used at intermediate readings of the scale of the barometer.

**The calibration uncertainty given at 95 % confidence level, k = 2

## Equipment used in calibration

| Type | Serial number | Calibration date | Certificate number |
|---|---|---|---|
| Vaisala PTB220 | X1260001 | 2015-01-29 | 150129-PTB220-X1260001 |
| Vaisala PTB220 | X3710015 | 2015-01-29 | 150129-PTB220-X3710015 |
| 34970A | MY44052432 | 2014-08-21 | 516173 |

**Ambient conditions** / Humidity 48 ± 5 %RH, Temperature 23 ± 1 °C, Pressure 1009 ± 1 hPa

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