



## CALIBRATION CERTIFICATE

**Instrument** PTB101B analog barometer  
**Serial number** B0310006  
**Manufacturer** Vaisala Oyj, Finland  
**Calibration date** 16<sup>th</sup> January 2006  
**Test procedure** doc210457A

This instrument has been calibrated against a Vaisala PTB220 factory working standard. The Vaisala PTB220 is traceable to the National Institute of Standards and Technology (NIST, USA) via Vaisala Measurement Standards Laboratory (MSL). Vaisala MSL has been accredited by FINAS according to ISO/IEC 17025 standard.

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

### Calibration results

Reference pressure hPa	Observed pressure hPa	Correction* hPa	Uncertainty** hPa
620.32	620.2	0.1	± 0.15
700.52	700.5	0.0	± 0.15
800.54	800.4	0.1	± 0.15
850.12	850.0	0.1	± 0.15
900.32	900.2	0.1	± 0.15
949.36	949.3	0.1	± 0.15
1000.23	1000.3	-0.1	± 0.15
1059.61	1059.8	-0.2	± 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 the calibration

Type	Serial number	Calibration date	Certificate number
HP34401A	3146A76333	2005-08-25	INSPECTA K004-05S584
PTB220	R5020031	2005-11-02	K008-N01652

### Ambient conditions

Humidity:  $40 \pm 5$  %RH

Temperature:  $22 \pm 1$  °C

Pressure:  $1023 \pm 1$  hPa

For Vaisala Oyj

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