

## CALIBRATION CERTIFICATE

*Gmm*  
**Instrument** GMP222 Carbon dioxide probe  
**Serial number** L2010070  
**Manufacturer** Vaisala Oyj, Finland  
**Calibration date** 11th May 2015

*Received  
2015-05-21*

The carbon dioxide probe was calibrated against accurate bottled nitrogen and carbon dioxide gas concentrations. High purity nitrogen gas was used for calibrating the zero value of the probe. For the span value calibration, an accurate mixture of nitrogen and carbon dioxide traceable to the VSL (Dutch Metrology Institute) was used. At the time of shipment, the probe met its operating specifications.

### Calibration results

Reference ppm CO <sub>2</sub>	Observed* ppm CO <sub>2</sub>	Difference ppm CO <sub>2</sub>	Permissible difference ppm CO <sub>2</sub>
0	0	0	± 150
10200	10195	-5	± 350


\*Reading after pressure and temperature compensation.

### Gas cylinders used in calibration

Type	Cylinder number	Reference number
Scientific nitrogen (N6.0)	7522480184024	100368816
Carbon dioxide mixture (accuracy of ±1%)	7520030017396	100343472

### Ambient conditions

Temperature 23.0 ± 1 °C, Pressure 1017.0 ± 1 hPa.

  
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 Technician