

CALIBRATION CERTIFICATE

GMM
Instrument GMP222 Carbon dioxide probe
Serial number L2030064
Manufacturer Vaisala Oyj, Finland
Calibration date 13th 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 ₂	Observed* ppm CO ₂	Difference ppm CO ₂	Permissible difference ppm CO ₂
0	-2	-2	± 30
1980	1981	1	± 70

*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%)	7527480103092	100369171

Ambient conditions

Temperature 22.9 ± 1 °C, Pressure 991.6 ± 1 hPa.



 Technician