

CALIBRATION CERTIFICATE

GMM

Instrument GMP222 Carbon dioxide probe
Serial number L2010069
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 ₂ | Observed* ppm CO ₂ | Difference ppm CO ₂ | Permissible difference ppm CO ₂ |
|-------------------------------|-------------------------------|--------------------------------|--|
| 0 | 2 | 2 | ± 150 |
| 10200 | 10242 | 42 | ± 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.



 Technician