PLATINUM CARBON DIOXIDE CALIBRATION USING METER

Starting with Platinum display software version 3.64 and higher, an alternative carbon dioxide method is provided using a calibration instrument instead of bottled calibration gases.

The HA1155 carbon dioxide gas meter is used to calibrate the Platinum machine's zero and span points. The zero point must be calibrated when the machine is empty and CO_2 level inside cabinet is below 2000 ppm (0.2 %). The span point must be calibrated with eggs in the machine when the CO_2 level inside cabinet is above 4000 ppm (0.4 %).

Zero calibration

1. Make sure cabinet doors are closed and fans have been operating for at least 5 minutes.
2. Insert gas meter probe into cabinet's calibration hole.
3. Press gas meter ON/OFF button for 3 seconds to turn on. The gas meter will beep and perform some tests.
4. After approximately 15 seconds "PROBE/FILTER OK" appears. Press ENTER button.
5. After sensor check and warm-up phase, meter shows CO_2 reading in parts per million. The reading must be below 2000 in order to proceed.
6. On Platinum display, choose Setup, then Calib Zero, then Instrument. Type in the reading from the gas meter and press OK to complete the zero calibration. If a large change was made a second calibration may be needed to get exact calibrated reading.
7. Turn off the gas meter by pressing the ON/OFF button for 3 seconds.

Span calibration

1. Before starting make sure machine is loaded with eggs, cabinet doors have not been opened for at least two hours, and carbon dioxide reading on Platinum display is stable.
2. Insert gas meter probe into cabinet's calibration hole.
3. Press gas meter ON/OFF button for 3 seconds to turn on. The gas meter will beep and perform some tests.
4. After approximately 15 seconds "PROBE/FILTER OK" appears. Press ENTER button.
5. After sensor check and warm-up phase, meter shows CO_2 reading in parts per million. The reading must be above 4000 in order to proceed.
6. On Platinum display, choose Setup, then Calib Span, then Instrument. Type in the reading from the gas meter and press OK to complete the span calibration.
7. Turn off the gas meter by pressing the ON/OFF button for 3 seconds.

Notes

- Refer to the manual supplied with HA1155 for complete handling and maintenance information. The gas meter's zero calibration should be periodically checked with the supplied absorption tube. The meter must be returned to Jamesway to check span calibration.
- If after calibration there is a carbon dioxide sensor failure alarm or reading changes to 100 or 12500 ppm, calibration was carried out incorrectly. Press Reset button in both the zero and span calibration screens to return to factory settings before retrying calibration.