

Premier Sensor Calibration Certificate

Description

This certificate documents the factory calibration details for a Dynament Premier CO₂ sensor (Type MCO₂). It includes configuration parameters (e.g. analogue output type, DAC zero/span settings, rounding schemes, enabled ranges), firmware version and build date, sensor serial and part numbers, calibration gas concentrations and cylinder references, calibration and due-dates, and operator identity. It also reminds that sensors are covered by a five-year warranty (when operated within specified conditions) and highlights important handling precautions (e.g. correct polarity, voltage limits, avoiding condensation or corrosive gases).



Configuration Data

Version	8
BaudRate	38400
DacZero	0.4
Rounding Range 1	0.01
Rounding Range 3	NA
Sensor FSD Range 1	6
Sensor FSD Range 3	NA
Calibration Gas Range 1	5
Calibration Gas Range 3	NA
Positive Zero Suppression Value CH1	0
Negative Zero Suppression Value CH1	0
WarmUp time	45
Sensor Type	MCO2
Analogue Type	Voltage
DacFsd	2
Rounding Range 2	0.01
Rounding Range 4	NA
Sensor FSD Range 2	10
Sensor FSD Range 4	NA
Calibration Gas Range 2	10
Calibration Gas Range 4	NA
Positive Zero Suppression Value CH2	NA
Negative Zero Suppression Value CH2	NA
Enabled Ranges (1,2,3,4)	True/True/False/False

Firmware	
Version	07.17.33U
Date	
Final Inspection and Testing	
Calibration Date	
Sensor Serial No.	
Customer	
Calibration Due Date	
Sensor Part No.	P-CO2_10RPNE5VPFS0
Build date	19/10/2022
Calibration Gas Details	
Gas Type Range 1	CARBON DIOXIDE
Certificate Number - Range 1	6826-1-3
Gas Type Range 2	CARBON DIOXIDE
Certificate Number - Range 2	11909-9-1
Operator Name	CG
Cylinder Number - Range 1	116037
Gas Concentration - Range 1	5
Cylinder Number - Range 2	20E454050
Gas Concentration - Range 2	10

Warranty Information

All Dynamment Premier sensors carry a five year warranty against defects in materials and workmanship.

The warranty is invalidated if the sensors are used under conditions other than those specified in the relevant data sheets. The data sheets are all available to view and download from our website at www.dynamment.com

Particular attention should be paid to the following criteria:

- **Observe the correct supply polarity**
- **Do not exceed the maximum rated supply voltage of 5V**
- **Do not solder directly to the sensor pins**
- **Do not expose the sensor to corrosive gases**
- **Do not allow condensation to take place within the sensor**



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