MVS ENGINEERING PVT. LTD.

Service Bulletin

S1023 PPM Analyzer Calibration procedure

PROBLEM

- PPM Oxygen Analyzer not showing correct reading
- Someone disturbed “Cal” knob
- You have just replaced a new sensor in the analyzer

SOLUTION

Calibration of oxygen analyzer will be required

REQUIRED TOOLS

Reference gas cylinder, Pressure regulator, PU Tube,Needle valve

PROCEDURE

ADVISORY Turn off the power of the analyzer

- Disconnect the gas plant sample tubing connected to the analyzer

- Flip the metal switch from “0-10xx PPM” to “CAL %”

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AN ISO 9001 COMPANY

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On-Site Gas Generation Solutions for Nitrogen, Oxygen & Hydrogen
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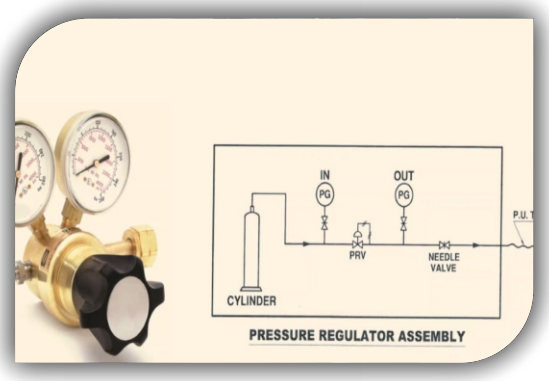
- Arrange a calibration cylinder of known PPM oxygen concentration

RECOMMENDED We recommend that you arrange a calibration gas cylinder of 100 PPM oxygen in nitrogen

- Mount the pressure regulator assembly with the pressure regulating valve and needle valve on the calibration cylinder



- Ensure that while the gas is flowing from the cylinder, the pressure regulator has been set to deliver the gas at an outlet pressure not exceeding 0.5 bar(g)

- Connect tube from the pressure regulator outlet to the back of the analyzer at the port with label marked “IN”

- Turn on power of the analyzer

- Slowly open needle valve at cylinder

- Adjust sample flow 200 to 400 CCM

- Unlock CAL knob by pushing button upward

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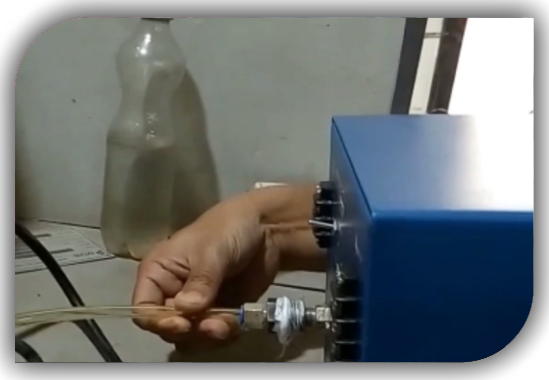
- Adjust reading by adjustment of CAL knob to 100 PPM.

- Lock CAL knob by sliding button down

- Turn off gas flow from the cylinder by closing the needle valve

- When the flow on the front of the analyzer is showing “ZERO” reading, then disconnect the tubing from the cylinder

- Reconnect the sample tubing from the gas plant



- Adjust the flow at the flow meter of the analyzer to 200 to 400 CCM

PLEASE WATCH THE VIDEO, LINK BELOW

https://www.youtube.com/watch?v=rePTNxYKnPA&t=54s