

Procedure for Calibration of Sensor

Sensor calibration can be done as per procedure given below. Care must be taken during handling of each component specially the placing glass ampoules inside the chamber before breaking.

1. First connect sensor to monitor as per polarity positive and negative marked on terminal
2. Remove the bottom guard from sensor and keep electrolyte bottle in its place.
3. View the calibration chamber marked # 1, # 2 as different compartment of chambers each are open able with anticlock wise direction during operation.
4. First insert sensor without guard from bottom of chamber # 2 please do not over tight but it should be full tight up to last thread to avoid any gas leak during testing.
5. Now open # 1 chamber and place glass ampoule inside with flat portion at base until it slide vertically in slot # 3 care must be taken to save piston # 4 is fully outside and bring the # 4 knob to just it reaches glass ampoule.
6. Finally close # 1 chamber on its original place fully tight up to last thread. Now make zero display at instrument if required by turning zero pot P-3 in side instrument.
7. Calibration is now ready to test monitor as per gas PPM of glass ampoule marked of known PPM. Slowly turn # 4 knobs in clockwise direction and glass ampoule will break inside chamber immediately and display will rise to rated PPM. If the reading is same as the ampoule rating then calibration is over but if found different then rotate span pot P-4 inside to desired value. Hence calibration is complete. IMPORTANT quick setting must be done as chlorine will be reduce at sensor in few seconds only and again instrument will display zero at display.
8. Remove chamber # 1 and dispose off broken glass ampoule from chamber # 2 and clean it properly.
9. Open sensor from chamber # 2 and install at site.
10. Repeat as above procedure to calibrate other sensor and instrument as required.

We strongly recommend that an experienced service engineer or an expert in the field should carry out the calibration. Once the setting and correspondingly, calibration is disturbed, the detector will not function properly.