

GAS MONITORING EQUIPMENT

SERVICE/COMMISSIONING WORK PROGRAMME – FIXED MONITORING SYSTEMS

1. Liaison to be established with those responsible for the maintenance of the equipment/establishment.
2. Clearance to commence work to be obtained – permits to work etc.
3. Visual inspection made to confirm that all cabling, fittings and equipment is secure, undamaged and adequately protected and that sensor housings are not obstructed or covered in any way.
4. When commissioning, system supply/fuse rating/cable termination check.
Sensor positioning checked for correct siting with relation to target gas density and for sample systems, sample line termination position check.
Where applicable battery backup systems checked as above.
5. For commissioning – Power up and ensure no system faults are being reported.
6. To avoid activation of the auxiliary alarm relays, the control system will be switched into “Inhibit” (isolation) mode before calibration and testing of the system alarm levels. If the system cannot be placed in “Inhibit” mode for safety reasons, work will not commence without express permission from an authorized site representative.
7. Full system function check and replacement of consumable items.
8. Alarm level settings checked and recorded as left.
9. Sensor zero checked with zero gas, corrected where necessary and recorded as left.
10. Test gas applied to detectors, readings to be corrected where necessary and recorded as left. See C307 Test Gas Operating & Application Guidance.
11. All faults and necessary additional work reported to customer for approval prior to commencement.
12. Function check to all auxiliary equipment, Status Indicators, Repeaters etc.
13. Where applicable download text files, events log and then reset to clear all events.
14. Ensure that the system is fully operational (all isolates removed).
15. Test date label attached to equipment.
16. Check that operational manuals are readily available.
17. Site record completed where applicable, and report issued to customer on completion of each visit.

Notes: -

1. Inspection / Maintenance
 - a. Visual – Missing bolts
 - b. Close – Loose nuts – need to access equipment.
 - c. Detailed – May need to access into the enclosure to see terminations for tightness.

