VIAMED

Oxygen Analysis

COMPANY OPERATING PROCEDURE

MX300 Monitor
VM3/COP/38.05

Date:14-Nov-03	Revision Date:12-Sep-19	Issue: 1.1

Test equipment required

R17 Oxycal,
Test Batteries
Test Cable

Inspection

N.B. Open the packaged Instrument and check the contents for:

- Sensor Cable
- T-Adapter
- V-mount Adapter
- Instruction Manual

Ensure that the above equipment and accessories are the correct ones to the specification.

Test Procedure

1. Take the MX300 and R17 O_2 sensor out of the packaging and examine for signs of physical damage and leaking electrolyte from the sensor.

2. Check serial number matches label on the box

3. Connect the sensor lead to MX300.

4. Fit the batteries – the MX300 should automatically switch on.

5. Ensure that the readout is flashing 00.0 +/-1.0% oxygen concentration. NB   If the unit fails to show a suitable reading at this stage the MX300 is faulty. The unit and accessories should be repackaged and left at goods-in, in a ducket with a <u>Hold Note</u> attached

6. Connect a calibrated R17 Oxycal to the MX300.

7. Switch the Oxycal to 21%.

8. Wait for a few seconds and then press the CAL button. The unit counts down from 9 to 0. Ensure the MX300 shows 21.0 +/- 1.0% oxygen concentration.

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9. Press LOCK / UNLOCK twice.

10. Press HI and ensure that just the high alarm limit remains flashing.

11. Press ▲ and hold until the display shows ALARM OFF.

12. Switch the Oxycal to 100%.

13. Wait for a few seconds and then press the CAL button. The unit counts down from 9 to 0. Ensure the MX300 shows 100.0 +/- 1.0% oxygen concentration.

14. Press LOCK / UNLOCK once and ensure the readout stops flashing.

15. Switch the Oxycal to 21% and ensure that the readout shows 21.0 +/- 1.0% oxygen concentration, and alarm sounds
NB   If the unit fails to show a suitable reading at this stage the MX300 is faulty. The unit and accessories should be repackaged and left at goods-in, in a ducket with a note attached)

16.

17. Press LOCK / UNLOCK once and ensure the readout starts flashing, and alarm stops.

18. Press HI and ensure that the readout stops flashing.

19. Press ▼ until the high alarm limit is set to 100.

20. Press LO and ensure that just the lower alarm limit remains flashing.

21. Press ▲ until the lower alarm limit is set to 23%.

22. Press LOCK / UNLOCK once.

23. Ensure the MX300 gives an audible alarm with a flashing backlight and alarm cancel button.

24. Press the alarm cancel button once. Ensure that the audible alarm silences for approximately 115 seconds. It will re-start automatically.

25. Press LOCK / UNLOCK once and ensure the readout starts flashing.

26. Press LO and ensure that just the lower alarm limit remains flashing.

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27. Press ▼ until the lower alarm is set to 18%.

28. Press HI and ensure that just the high alarm limit remains flashing.

29. Press ▼ until the high alarm limit is set to 98.

30. Press LOCK / UNLOCK once and ensure the readout stops flashing.

31. Switch the Oxycal to 100%. Ensure the MX300 shows 100.0 +/- 1.0% oxygen concentration.

32. Ensure the MX300 gives an audible alarm with a flashing backlight and alarm cancel button.

33. Press the alarm cancel button once. Ensure that the audible alarm silences for approximately 115 seconds. Alarm will restart automatically

34. Press LOCK / UNLOCK once and ensure the readout starts flashing.

35. Press HI and ensure that just the high alarm limit remains flashing.

36. Press ▼ until the high alarm limit is set to 50.

37. Press and hold the BAT TEST button. Ensure a full battery level indicator is shown on the display.

38. Press and release the ALARM TEST button. Ensure that the lower alarm limit followed by the upper alarm limit flash and the audible alarm sounds for approximately 1 second.

39. Press LOCK/UNLOCK once.

40. Release the oxycal switch and ensure the MX300 shows 00.0 +/- 1.0% oxygen concentration, that the ✓SENSOR / display backlight / alarm cancel are flashing and that an audible alarm is produced.

41. Press and release the alarm cancel button once on the MX300; the alarms should not cancel.

42. Disconnect the Oxycal

43. Press LOCK / UNLOCK and ensure the readout starts to flash.

44. Switch off by pressing I/O.

45. Disconnect the fuel cell and cable. Repackage as per the O_2 sensor test procedure (VM3COP37.35).

46. Remove the batteries from the MX300.

47. Label the MX300 with Viamed sticker if necessary.

48. Repackage the MX300 and accessories.

49. Label the box as necessary for UK or export.

50. Ensure that the MX300 and sensor are booked out in the stock books.

51. Scan a 3 pack of AA Batteries and a sensor cable from new stock to the unit on the QA Page.

52. NB   If the MX300 is faulty. The unit and accessories should be repackaged and left at goods-in, in a ducket with a note attached

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