VM3COP43.06 MAXO2ME QA Procedure

1) Unbox the MAXO2ME analyser (PN:0111263).

2) Check the box contains all the items listed:

   MAXO2ME analyser
   Operating manual
   Sensor cable
   4AA Batteries
   T piece adaptor
   MAX550E Oxygen sensor

   Note: The MAX550E Oxygen sensor will be allocated to the monitor, but the packaging must not be opened. Use the QA test sensor for QA.

3) Release the thumb screw by turning it counter-clockwise until it pops out.

4) Observing the orientation shown inside the compartment, insert the four AA batteries in the unit.
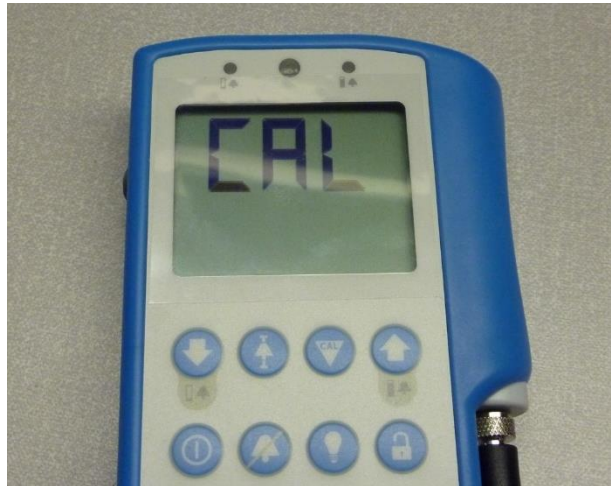
5) Replace the battery compartment cover.

6) Connect the test sensor to the sensor cable. The sensor cable should already be attached to the analyser when unpacking. Attach the cable if it is not already in place.

7) The unit will power up when the batteries are installed.

8) In turn, test each of the keypad functions. Some of these functions require the lock button to be pressed before the button function.

9) Press the lock button. The available functions will flash intermittently on the display.

10) While the analyser is unlocked, press the CAL button. The unit will display CAL.

11) After a few seconds the analyser will have calibrated to the sensor.

12) To test the high alarm function, first press the lock button, then press the up arrow (high alarm). Increasing the alarm limit above 99% will disable the high alarm. Observe the high alarm when set to 88% to ensure that all display segments work, then set to 89%.

13) To test the low alarm function, first press the lock button, then press the down arrow (low alarm). The low alarm cannot be set below 15%. Observe the low alarm when set to 88% to ensure that all display segments work. The low alarm cannot be set above the high alarm.

14) The audible alarm will sound when the sampled gas/air is above or below the relevant alarm limit. Check each of the alarm warning lights, above the display, are lit when the alarm is active.

15) Check the audible alarm can be disabled by pressing the disable alarm function button.

16) Press the lock button and then smart alarm function button. This will set the alarm limits to values relative to the current gas sample. In air, this will likely be 18 for the low alarm and 24 for the high alarm.
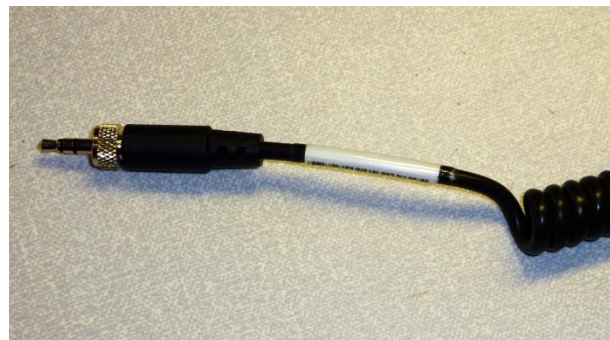
17) Test the back-light function by pressing the back-light button. The back-light will turn off after 30 seconds.

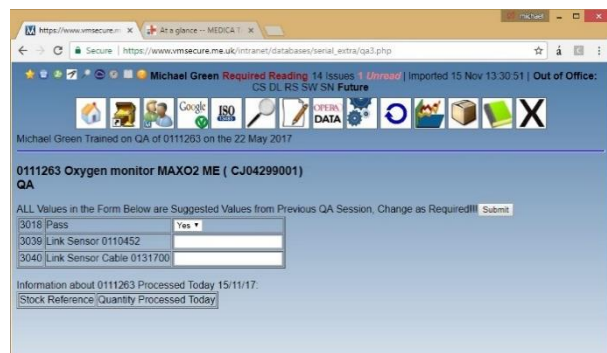18) Turn the unit off by pressing the on/off button for 3 seconds.

19) Remove the batteries and reference test sensor.

20) Affix a barcode ID label to the sensor cable. This must be at the straight connector that plugs into the analyser.

21) Repack the analyser, ensuring all items are in the box. Be sure to place the assigned sensor in the box.

22) Record the QA results, along with barcode ID numbers of the sensor cable and the sensor, in the Intrastats system.