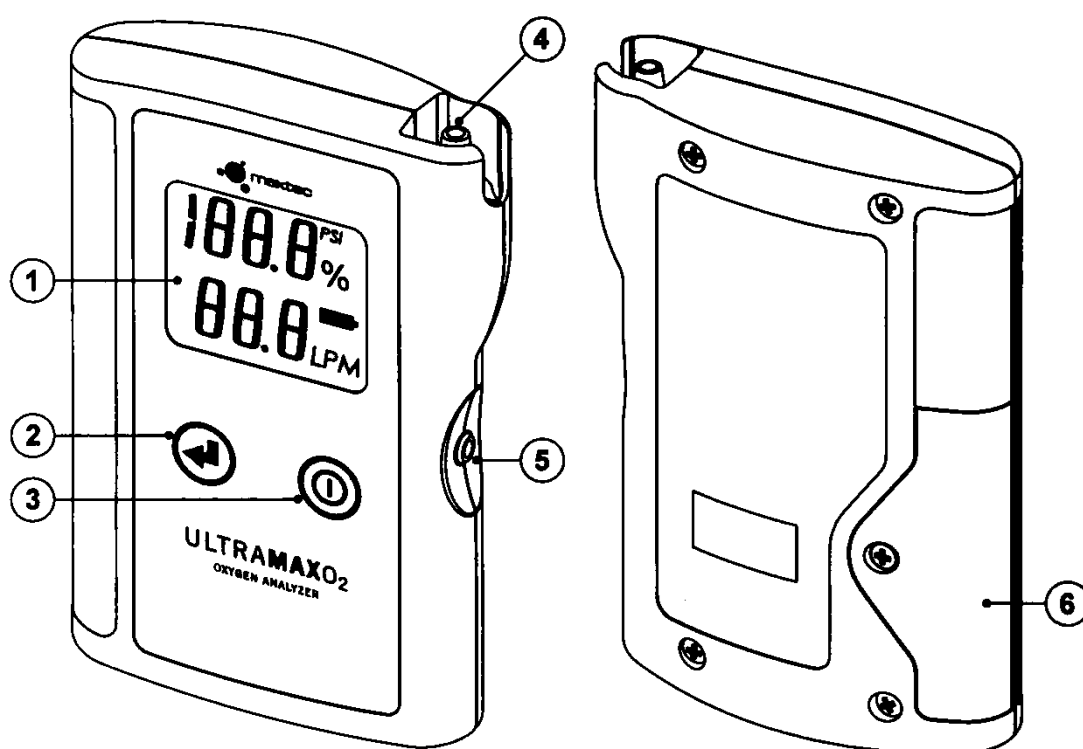




VM3COP43.14 Maxtec UltraMax Calibration Test Procedure



① Before using this procedure, the user is advised to familiarise themselves with the operation manual. The user should have a basic understanding of the function of Oxygen monitors. This procedure tests the Maxtec UltraMax Oxygen analyser can read accurately. A calibration must be performed before each use as environmental factors can affect the reading.

Equipment needed to perform this procedure:

- A source of medical Oxygen (purity 99.5%)
- A source of medical air with a known Oxygen content.



- 1 LCD Display
 2 Mode Button 
 3 ON/OFF Button 

- 4 Gas Sample Inlet 
 5 Gas Sample Outlet 
 6 Battery Door

- 1) Connect the gas sample tubing to the gas inlet port (4).



- 2) Connect the remaining end of the tubing to gas source with an inline flow meter.



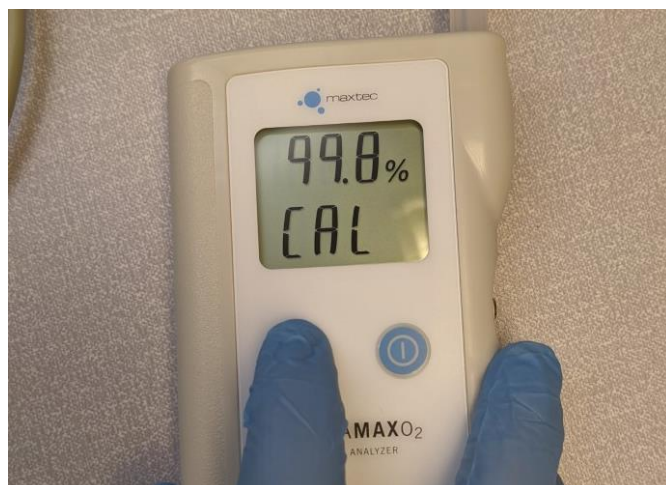
- 3) Test the flow meter by allowing gas to flow at the rate of 2 litres per minute (lpm). Compare the reading on the Ultramax monitor to the reading on the flow meter. A reading of ± 0.2 lpm is acceptable.
- 4) Repeat the process at 5 and 8 lpm



- 5) Test the PSI gas pressure function. Allow gas to flow at 2lpm.
- 6) Cover the gas sample outlet port, located on the right-hand side (5), with a finger or thumb.
- 7) Allow 5 seconds before observing a pressure reading.



- 8) Verify the Oxygen calibration. Connect the inlet tubing to a source medical Oxygen (purity 99.5%). Allow gas to flow at 2lpm.
- 9) Press and hold the mode button (2). While holding the mode button, the gas measurement should read between 98.5 and 101.5%. Record this value on the certificate.



- 10) Verify the air calibration. Connect the inlet tubing to a source medical air. Allow gas to flow at 2lpm. Record this value on the certificate.

