

COMPANY OPERATING PROCEDURESTeledyne C1R (PN 0110001)
O₂ Sensor Test Procedure

VM3/COP/37.05

Date: 3-Feb-03

Revision date: 25-May-11

Issue: 3

Test & Equipment Required

Functional test using T1/T2 tester (analogue meter).

Output specification as in document: (VM3COP37.00, column (i)).

Method.

1. Open cell packaging and remove O₂ sensor.
2. Check the O₂ sensor for damage and signs of leaking electrolyte.
3. Check for an output using T1/T2 tester
4. **If no, or very low output**, or sensor is returned as faulty leave the O₂ sensor exposed to air for 1 Hour with shorting clip connected
5. Remove the shorting plug connect the O₂ sensor leads to the T1/T2 tester (or Analyser) and wait for the meter needle to stabilize.
6. Ensure that meter reading can be adjusted to read 21% on the scale using the calibration control knob. If it fails to reach 21% go to 8.
7. Check the output in 100%
Calibrate in 100%
Expose to Air 21% The reading should drop to 22% within 2-3 minutes.
8. If the O₂ sensor fails the output specification test, it should be resealed and boxed, placed in a docket and put on the goods in desk with a short note explaining why it failed, ready to be booked in.
9. Disconnect the O₂ sensor from the T1/T2 tester and refit the shorting plug.
10. Label with Viamed stickers if appropriate.
11. Reseal in serial numbered packet, integrity seal the edge of the packet with initialed and dated Viamed sticker and re-box.