

COMPANY OPERATING PROCEDURES

Teledyne C2R (PN 0110002)
O₂ Sensor Test Procedure

VM3/COP/37.06

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 the 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 1Hour with shorting clip connected
5. Remove the shorting plug, connect the O₂ sensor to the T1/T2 tester 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% Oxygen
Expose to Air 21% The reading should drop to 22% within 2-3 minutes
8. If the sensor fails the output specification it should be resealed and boxed, placed in a ducket 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..