

COMPANY OPERATING PROCEDURES**Teledyne R15 (0110015)**
O₂ Sensor Test Procedure

VM3/COP/37.34

Date: 3-Feb-03

Revision date: 25-May-11

Issue: 3

Test & Equipment Required

Functional test required using R15 / R23 tester and sensor holder, (2 x digital multimeters & adapter box).

Output specification as in document: (VM3COP37.00, column (i)). Test box converts current output to 17mV \pm 3mV

Method.

1. Open the packaging and remove the O₂ sensor.
2. Leaving shorting gauze and clip in place check the O₂ sensor for damage and signs of leaking electrolyte.
3. Remove shorting gauze and clip and check rear of the O₂ sensor, the copper tracks and rear membrane for damage or signs of leaking electrolyte.
4. Place the O₂ sensor in the R15 / R23 tester sensor holder, screw on the cap and wait for both meter readings to stabilize (may take up to 1 minute)
5. Check for an output using R15/R23 tester
6. If no, or very low output, or sensor is returned as faulty leave the O₂ sensor exposed to air with shorting clip in place for 1 Hour Minimum.
7. Ensure that the meter reading lies within the output specification range, 17mV \pm 3mV.
If the O₂ sensor fails the output specification test, box unsealed, place in a docket and put on the goods in desk with a short note explaining why it failed, ready to be booked in with SRN
8. Remove the O₂ sensor from the sensor holder, refit shorting gauze and clip and label with Viamed stickers if appropriate.
9. Reseal in serial numbered packet, re-box