

COMPANY OPERATING PROCEDURES**Teledyne R21A (PN 0110121),
O₂ Sensor Test Procedure**

VM3/COP/37.36

Date: 3-Feb-03

Revision date: 23-Aug-18

Issue: 3

Test & Equipment Required

Functional test required using R21 tester and R21 test adapter, (digital multimeter and adapter).

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. Connect the O₂ sensor to the R21 tester, select 200mV range (marked with arrows) and wait a few seconds for meter reading to stabilize.
4. Check for an output Ensure that meter reading lies within the output specification range, 9mV – 14mV
5. Scan into Instrastats as Passed with output in the QA Field
6. If no, or very low output, or sensor is returned as faulty leave the O₂ sensor exposed to air for 1 Hour Minimum.
7. If the O₂ sensor fails the output specification test, it should be left sealed and placed in the ducket on the QA bench labeled Return to Supplier. Each sensor should have its barcode attached with the output / problem on it. Instrastats should be filled in as a Fail with the output logged into intrastats.
8. Disconnect the O₂ sensor from the R21 tester and label with Viamed stickers if appropriate.
9. Reseal in serial numbered packet, ibox and add viamed outer box label.