

# Vandagraph

## Replacement of the Dive Dynamics 9212-0 Oxygen sensor with Two pin Molex connector Using Vandagraph R-22ADD



1. Refer to manufacturers instructions. The following notes are a guide
2. Loosen the 4 screws located on the rear cover
3. Remove the plastic ring on the front..
4. Separate the molex plug and socket connector
  - a. Wires to the connector are very easily broken
  - b. Check they are intact and not corroded before removing from sensor
  - c. Also check the cable for corrosion; normally the wire turns black
5. Remove the sensor from the front cover.
6. Remove the new sensor from its pack and check it for leaks
7. Check the sensor has a rubber O-ring fitted at the base of the thread on the front of the sensor
8. Screw the plastic ring onto the sensor through the case cover finger tight and connect the R-22DEM to the molex connector Red to Red.
9. Push in gently but firmly.
10. Check the reading is OK i.e. -ve sign is not showing
11. It should be possible to set the Calibration to 20.9%
12. Replace the cover carefully taking care that the sensor locates properly and that you do not trap any wires
13. Do not over tighten the screws
14. Leave exposed to dry outdoor air for at least two minutes NB (All galvanic sensors can take an hour to fully stabilize after they have first been exposed to air to achieve maximum accuracy)
15. Calibrate to 20.9%
16. Dispose of the old sensor according to local regulations for Lead and Potassium Hydroxide solution



Vandagraph Ltd. 15, Station Road, Crosshills, Keighley, West Yorkshire. BD20 7DT  
+44 (0) 1535 634900 Fax: +44 (0) 1535 635582  
[www.vandagraph.co.uk](http://www.vandagraph.co.uk) email [sales@vandagraph.co.uk](mailto:sales@vandagraph.co.uk)