

Dear Mike

We are happy to supply oxygen sensors to your specification. Any cables and/or connectors are to be supplied by yourselves as free issue or specified on original manufacturers data-sheets. The specification of these items and their quality remain the responsibility of yourselves. It is important that you understand and recognize that sensor sub assemblies and parts that Vandagraph Sensor Technologies Ltd. procures were initially designed for use in atmospheric gases at 1 bar pressure. Neither the manufacturers nor Vandagraph Sensor Technologies Ltd. have the facilities, or rebreather knowledge to test these sensors for use in rebreathers.

We have been advised by rebreather manufacturers that in an underwater environment these sensors are likely to encounter extreme conditions such as moisture and Oxygen partial pressures to 2 bar.

Without deviating from the basic specification, a hydrophobic membrane is available. This helps to disperse excess moisture on the surface of the sensor. The internal PCB will be coated with a conformal coating to help protect it from moisture. The internal PCB has two 2 mm holes and the outer case can have a 1 mm hole so that pressure can be equalised on the front and rear membranes.

Vandagraph Sensor Technologies Ltd. expect the purchaser/manufacturer to carry out all 'fit for purpose tests' required before these sensors are used underwater. The sensors supplied will have standard limited warranty.

I would be grateful if you could sign the attached waiver and return an original to me as soon as possible.

Yours faithfully

Steve Nixon
Managing Director – Vandagraph Sensor Technologies Ltd.

VST oxygen sensor part number: 8010033, Model ref. DT-SMB

WAIVER

Name:	
Position:	
Company:	Technical Diving Distribution LLC
Address:	1101 H St. Barling Arkansas 72923 USA
Telephone number:	
Fax number:	
Email:	Technicaldivingdistribution@yahoo.com
Web site:	

I the undersigned:-

Understand that the oxygen sensors supplied by Vandagraph Sensor Technologies Ltd. and its suppliers are designed for surface use in 1 bar pressure. I undertake to carry out all relevant and mandatory tests to ensure fitness for purpose of the sensors, before including them as a component in any underwater apparatus used or supplied by ourselves.

Signed:

Date: