



Ryan Swaine <viamed.ryan.swaine@gmail.com>

Re: Replacement O2 Sensor

1 message

Ryan Swaine <ryan.swaine@vandagraph.co.uk>

28 April 2022 at 16:42

Reply-To: ryan.swaine@vandagraph.co.uk

To: peter.j.lyons@ntlworld.com

Hi Peter

There can be some instability within the first hour or so, but it should be okay after that. I am concerned about the sensor, so I propose we send you another one for you to try. If both have the same problem then I think it would be best if we take a look at your analyser and sensor together.

I will arrange for a sensor to be dispatched shortly, please can you swap the adapter over to the second sensor.

Best regards
Ryan

Ryan Swaine
General Manager
VANDAGRAPH Ltd.
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On Thu, 28 Apr 2022 at 11:42, <peter.j.lyons@ntlworld.com> wrote:

Hi Ryan,

Thanks for your reply.

Having been exposed to air for just over a day now the replacement cell is a lot more stable. When I switch it on, I can now adjust it to 20.9 for air, however it is not fully stable.. If the unit is left on the O2 reading gradually creeps upwards and goes beyond the point where it can be adjusted to 20.9 reading in the high 20's or low 30's. Switching the unit off and turning it on several minutes later the readings are back to normal and can be adjusted to 20.9 again. Is this behaviour normal for a new O2 cell? Is it likely to settle down after a while or is there a problem with the cell? My old cell never used to do this, but then by the time I bought the Alpha-1 the cell could have been in it a few days, weeks or months already, so I wouldn't have known.

I've also noticed that when taking a reading on a Nitrox dive cylinder, you can set the gauge to 20.9, take a reading, but when removed it doesn't return to 20.9 but reads about a percentage point higher at 21.9 (or thereabouts), which is slightly worrying as it makes you question the accuracy of the reading. For the time being I will err on the safe side and set my dive computer to a lower mix than the sensor indicated.

For reference my Alpha-1 unit is serial number 649.

Regards, Peter Lyons

From: Main Account <viamedinbox@gmail.com> **On Behalf Of** Ryan Swaine
Sent: 27 April 2022 12:29
To: peter.j.lyons@ntlworld.com
Subject: Re: Replacement O2 Sensor

Hi Peter

I am very sorry to hear you are having some difficulties, this is very unusual as all of our sensors are tested.

There is an anomaly with O2 sensors that may be the cause. When a sensor is first removed from the packaging and reintroduced to air/O2, they can appear unstable or out of specification. They should stabilise within an hour of being exposed to air or O2. Please can you let me know if it can now be calibrated or is it still giving a high reading?

I will await your reply.

Best regards

Ryan

Ryan Swaine

General Manager
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On Tue, 26 Apr 2022 at 20:09, <peter.j.lyons@ntlworld.com> wrote:

Thanks for your reply.

I have ordered the R-22SHO sensor, it arrived today and have just fitted it.

I followed the instructions, set the front calibration to maximum and adjusted the internal calibration to bring the reading down to 22.2 as you suggest, however 32.1 is the lowest it will adjust down to. Even if I turn the front calibration back to minimum it only goes down to 28.4 which is a lot higher than the 20.9 for air.

Do you have any suggestions as to how I might resolve this?

Regards, Peter Lyons

Tel: 07798 728030

Email: peter.j.lyons@ntlworld.com

From: Main Account <viamedinbox@gmail.com> **On Behalf Of** Ryan Swaine

Sent: 25 April 2022 09:27

To: peter.j.lyons@ntlworld.com

Subject: Re: Replacement O2 Sensor

Hi Peter

Thank you for your email and I apologise if there is any confusion.

The R-22SHO is supplied with the adapter as standard. It pushes in to the end of the sensor to reduce the diameter and allows it to be connected to the Alpha 1 accessories.

Best regards

Ryan

Ryan Swaine

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On Sat, 23 Apr 2022 at 18:59, <peter.j.lyons@ntlworld.com> wrote:

I wish to purchase a replacement O2 cell for my Alpha-1 Oxygen Sensor.

From your website I see that you do a replacement cell which is the Vandagraph Teledyne R-22SHO.

I also downloaded the installation instructions, which I found to be comprehensive and informative.

My question relates to instruction 11 which reads "Requires adapter 9711110 inside the sensor to fit the Alpha adapter", however I couldn't find this when I did a search on the website. If I order an R-22HSO does the adapter come with it? If not, what exactly is it and how do I get one?

Regards, Peter Lyons

Tel: 07798 728030

Email: peter.j.lyons@ntlworld.com