

Subject : re: R22DHO
Date : Thu, 29 Jun 2006 12:57:00 +0100
Linked to: KKothari@teledyne.com
From : Jean Lamb <jean@vandagraph.co.uk>
To : KKothari@teledyne.com <KKothari@teledyne.com>
Cc : Steve Broy <steve.broy@viamed.co.uk>

>
Dear Kunal,

Thanks for quick reply.

John says: Can we have a chart with Temperature: Pressure : Reading and we should then be able to re-tune the sensors.

Meantime, we are going off to Seahouses base tonight so will take all the sensors "out-of-range" with us and see what they read - we will be about 20 feet above sea level.

John has meetings today, but we receive emails at Seahouses and we can be contacted there on Tel +44 1665720361.

Regards
Jean Lamb, Vandagraph 29th June06

> Dear Jean,

>> I have seen your email to Lennie and myself and I have discussed this with
>> Steve Broy who looks after the sensor manufacturing. Please see his
>> replies below:

>> We do test every sensor here to be between 23 and 27mV. There is a
>> potentiometer on the device that lets one adjust the output to such a
>> narrow level, which is what we do.

>> But keep in mind, this spec is only good really at 25C and the barometric
>> pressure that we do the testing at, whatever the barometric pressure and
>> humidity level is on the day the testing is done.

>> So as the pressure changes, and the sensor shifts somewhat with time, and
>> transport, it is not inconceivable that the output could go slightly
>> outside this range.

>> One possibility is that the sensor be retuned at Viamed but removing the

>> cap and turing the pot slightly, if indeed it is thought to be necessary.

>>

>> I do not know what equipment this sensor goes into and exactly how it

>> works so it is difficult for me to assess the criticality of this.

>> It may be warranted to have a conference call with Jean on this matter

>> later this week.

>> Barometric pressure changes and humidity changes can easily displace

>> enough O2 as well.

>> Regards,

>> Kunal