



Steve Nixon <steve.nixon.viamed@googlemail.com>

AW: [External] Re: Sherwater

1 message

Lingies, Maik (GE0Y) <Maik.Lingies@honeywell.com>
To: "steve.nixon@viamed.co.uk" <steve.nixon@viamed.co.uk>

15 June 2018 at 12:57

In the sample Sensors is the original Shearwater PCB with change resistors, no Envitec marking.

Von: Main Account [mailto:viamedinbox@gmail.com] **Im Auftrag von** Steve Nixon
Gesendet: Freitag, 15. Juni 2018 13:47
An: Lingies, Maik (GE0Y) <Maik.Lingies@Honeywell.com>
Cc: Wagner, Jessica (GE0Y) <Jessica.Wagner@Honeywell.com>
Betreff: Re: [External] Re: Sherwater

Thanks Maik

So the specification QA results are our sensors with the Analytical PCB, but you have changed resistor values on the PCB?

Are the PCBs the VST version, e.g. **there are no Envitec markings?**

Yes, please ask Jessica to ship the sensors to us.

Have you been able to test the digital side of the sensor?

In the past Shearwater have mentioned the need to 'calibrate' the sensors. I will ask them for more information, do you know what they may be referring to?

On Fri, 15 Jun 2018 at 12:36, Lingies, Maik (GE0Y) <Maik.Lingies@honeywell.com> wrote:

I think Shearwater have analyzed the sensor.

We have measured the 3 Sensors and that are the results:

Sensor	Zeitstempel	Air [mV]	O2 [mV]	Offset [mV]	T 90 [s]	Linearität [%]
1	15.06.2018	11,266	53,656	0,147	3,340	-0,223

	12:07					
2	15.06.2018 12:07	11,355	54,048	0,141	3,120	-0,281
3	15.06.2018 12:07	10,929	51,836	0,101	3,170	-0,635

The have a Label with Marking Vandagraph without any Type declaration, but Sample declaration.

If should we send the sensors, please inform Jessica, because I am in the next week on a business trip.

Best Regards

Maik

Von: Main Account [mailto:viamedinbox@gmail.com] **Im Auftrag von** Steve Nixon

Gesendet: Freitag, 15. Juni 2018 13:02

An: Lingies, Maik (GE0Y) <Maik.Lingies@Honeywell.com>

Betreff: Re: [External] Re: Sherwater

So have they copied your network? Do you think that Analytical have copied or perhaps Shearwater have analyzed our sensors?

Steve

On Fri, 15 Jun 2018 at 11:55, Lingies, Maik (GE0Y) <Maik.Lingies@honeywell.com> wrote:

Hello,

On the Label is the Marking 11- 14mV.

Revision E is the referent of the Documentation.

Yes, Sample Sensor PCB are market 0.9, but the Gerber File Date 1.2, in the version 1.2 the use the same resistor network for sensor voltage coding as Envitec.

Maik

Von: Main Account [mailto:viamedinbox@gmail.com] **Im Auftrag von** Steve Nixon
Gesendet: Freitag, 15. Juni 2018 12:45
An: Lingies, Maik (GE0Y) <Maik.Lingies@Honeywell.com>
Betreff: [External] Re: Sherwater

Hi Maik

Where do you get the specification of 11 - 14 mV from?

Is revision E referring to the PCB or to the Requirements Documentation?

So the sensors are marked 0.9 but the Gerber File Data is version 1.2

Steve

Steve

On Fri, 15 Jun 2018 at 09:25, Lingies, Maik (GE0Y) <Maik.Lingies@honeywell.com> wrote:

Hello Steve,

I have modified the original PCB from Sherwater with the Resistor network from EnviteC, but the problem is that I get only a output voltage from little bit over 10mV the original specification is 11 – 14mV. Should I send you the sensor with reduced output voltage?

At the analyses of the PCB for the Sensor I found different versions of the PCB. The PCB version of the sensor are 0.9 the Gerber File Data has the version 1.2 and in the PDF Document to the sensor is revision E. Which is the right version?

Best regards

i. A. Dipl. Ing (FH) Maik Lingies
Research & Development Dept.

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