



Steve Nixon &lt;steve.nixon.viamed@googlemail.com&gt;

**AW: Polymer resin oxygen sensor**

1 message

**J Schwarz** <j.schwarz@sensatronic.com>  
To: Steve Nixon <steve.nixon@viamed.co.uk>

19 January 2018 at 14:46

Hi Steve,

I am sending attached a short instruction for the demo unit.

Regarding the sensor specs, here are some facts:

Power requirement: Depends on the driving electronics plus sensor. The sensor itself requires a few micro amps only;

Signal output: The sensor is giving few  $\mu\text{A}$  @21%O<sub>2</sub>. The output of the electronics is V or mV. The sensor requires a potentiostatic driving circuit with I/U transducer.

Drive electronics: Yes, I think it makes sense that we supply the drive electronics. They can also develop their own, but it may take much time. We have some experience in the meantime. However, first we need to understand the application and then we have to adjust the electronics for this.

Communication interface: We can go with RS232 or USB, whatever is required. The USB interface at the demo unit is for charging only. There is actually no usable protocol implemented.

Function of LEDs: see the attached IfU

Regarding sample sensors, I will try to find some and send them to you on Monday.

Have a good weekend.

Mit freundlichen Grüßen,

Kind regards,

Jens Schwarz

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01/05/2018

Gmail - AW: Polymer resin oxygen sensor

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**Von:** [steve.nixon.viamed@googlemail.com](mailto:steve.nixon.viamed@googlemail.com) [mailto:[steve.nixon.viamed@googlemail.com](mailto:steve.nixon.viamed@googlemail.com)] **Im Auftrag von** Steve Nixon

**Gesendet:** Freitag, 19. Januar 2018 13:38

**An:** J Schwarz <[j.schwarz@sensatronic.com](mailto:j.schwarz@sensatronic.com)>

**Betreff:** Re: Polymer resin oxygen sensor

Sorry Jens, the unit has just arrived.

What are the power requirements of the sensor?

What is the signal output?

Would we supply the drive electronics?

What would be the communications interface?

At some stage can you please let me have a couple of examples of the actual sensors. They don't need to be working.

I'll charge up the unit and see what it does.

In the meantime what are the functions of the LEDs?

**Blue**

**Amber**

**Green**

**Red**

Steve

On 19 January 2018 at 12:01, Steve Nixon <[steve.nixon@viamed.co.uk](mailto:steve.nixon@viamed.co.uk)> wrote:

Hi Jens, did you ship the demo unit and samples sensors?

Steve

On 11 January 2018 at 15:38, Steve Nixon <[steve.nixon@viamed.co.uk](mailto:steve.nixon@viamed.co.uk)> wrote:

That's great news, thank you Jens.

Steve

On 11 January 2018 at 15:13, J Schwarz <[j.schwarz@sensatronic.com](mailto:j.schwarz@sensatronic.com)> wrote:

Hi Steve,

Sorry for being late with the demo unit. We had to solve a problem with an electronic component that we used for the old (CO2) demo unit (charging circuit), but which no longer available. We had to substitute this by another component which twice killed the charging circuit. This problem is solved now. We have the unit running for tests since three days and will send it out tomorrow morning.

I will send a short instruction separate by email.

Mit freundlichen Grüßen,

Kind regards,

Jens Schwarz

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**Von:** [steve.nixon.viamed@googlemail.com](mailto:steve.nixon.viamed@googlemail.com) [mailto:[steve.nixon.viamed@googlemail.com](mailto:steve.nixon.viamed@googlemail.com)] **Im Auftrag von** Steve Nixon

**Gesendet:** Donnerstag, 11. Januar 2018 11:26

**An:** J Schwarz <[j.schwarz@sensatronic.com](mailto:j.schwarz@sensatronic.com)>

**Cc:** Bernd Lindner <[b.lindner@bluepoint-medical.com](mailto:b.lindner@bluepoint-medical.com)>

**Betreff:** Polymer resin oxygen sensor

Hi Jens

Sorry to hassle you, but what is the schedule for the demo unit of the polymer resin oxygen sensors? The reason why I'm enquiring is that I am planning more customer visits, so I can delay a little if the demo unit is due soon.

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Steve

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01/05/2018

Gmail - AW: Polymer resin oxygen sensor

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