



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

Mock up images of EC Sense sensor with Dallas chip

1 message

Steve Nixon <steve.nixon@viamed.co.uk>
To: Bernd Lindner <b.lindner@bluepoint-medical.com>
Cc: Jens Schwarz <j.schwarz@sensatronic.com>

22 April 2018 at 21:55

Hi Bernd / Jens

Please see the attached images, sorry that they are not sharper images. They are just quick 'mock ups' for discussion.

As discussed last week, there is already an existing sensor casing and sensor interface PCB.

Without unnecessary expenditure at this stage, we should limit the life of the sensor for operational and commercial reasons. We can do this by adding a Dallas chip, either directly to the sensor wafer or to the sensor PCB. We can limit the manipulation of sensors by simply applying epoxy, conformal coating or adhesive to the sensor body, so that it is securely attached to the PCB. I have used black epoxy resin on the attached image for illustration purposes.

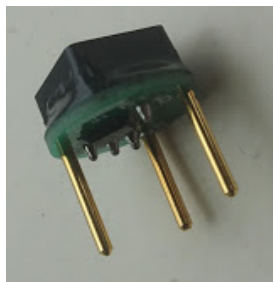
The protected sensor and sensor PCB could then be attached to the OEM board that Jens will develop. The OEM board will remain with the ventilator, but the sensor assembly can then be easily changed every one/two years

The original sensor wafer has the sensor to one end and the latest sensor wafer has the sensor centred on the wafer.

--
Steve

Steve Nixon
Director - Viamed Ltd.

Office: +44 (0)1535 634542
Mobile: +44 (0)7850 252267

5 attachments

Sensor on PCB, with Dallas chip & epoxy.JPG
132K



Sensor on PCB, bottom view.JPG
205K



Sensor on PCB top view.JPG
127K

Dallas chip on sensor wafer, original layout.JPG
69K

01/05/2018

Gmail - Mock up images of EC Sense sensor with Dallas chip



Dallas chip on sensor wafer, latest layout.JPG
79K