



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

RE: Additional feedback of sensor gas leakage

1 message

Narasimhan, Vasu P <Vasu.Narasimhan@teledyne.com>
To: "steve.nixon@viamed.co.uk" <steve.nixon@viamed.co.uk>
Cc: "Kothari, Kunal" <Kunal.Kothari@teledyne.com>

22 August 2018 at 18:44

Thank you for the feedback, Steve.

I am sharing your pics with Roger, Nino and Danny to see if we could change the setting on the press.

Best,

Vasu

From: Main Account <viamedinbox@gmail.com> **On Behalf Of** Steve Nixon
Sent: Wednesday, August 22, 2018 9:15 AM
To: Narasimhan, Vasu P <Vasu.Narasimhan@Teledyne.com>
Cc: Kothari, Kunal <Kunal.Kothari@Teledyne.com>
Subject: Additional feedback of sensor gas leakage

With a flow of oxygen at 4 hPa above atmospheric pressure, 4 out of 90 sensors failed. At a pressure of 40 hPa above atmospheric 5 sensors failed.

The casings of these 5 sensors were pressed together again and then retested. They all passed, resulting in a 100% batch test yield.

So, the use of your Arbor press is the solution, perhaps just the applied pressure needs reviewing.

The Arbor press results in reducing the gap between the casing parts by circa 0.40 - 0.45 mm

The one sensor (H8 batch) without the backing tape removed looks like a 'one-off' isolated case.

Also see attached images:

Pic 1 shows that if the sensor is pressed (pushed together again) the effect is seen in the creasing of the label. The inner sensor moves forward to the end cap by circa 0.40 - 0.45 mm.

Pic 2 shows the effective gap between the sensor housing parts.

Pic 3 shows the effect of the inner sensor moving forward, so that the adhesive ring makes good contact with the end cap.

Regards

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23/08/2018

Gmail - RE: Additional feedback of sensor gas leakage

Steve

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3 attachments



R-22AHJR pic 1.JPG
313K



R-22AHJR pic 2 label removed.JPG
211K



R-22AHJR pic 3 effect of pressing the casing.JPG
216K