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Volume displacement question

Smiths Medical x



Walker, David M. (MASH) via viamed.co.uk
to steve.nixon

Steve

I am hopeful that all testing will be completed and satisfactory. I do not anticipate any failures due to the new directive testing. Please testing will prove this out as some of the testing has never been performed. There will also be labelling & IFU changes that will be required.

According to the AAMI publication, it is evident that the Frequency Response testing is superior to the old volumetric displacement. It determined the amount of physical movement of the sensor die as related to pressure. So when a pulse of pressure was applied to the pressure sensing die moved inward and outward according to the pressure applied. The more the movement, the less the waveform. Frequency Response actually looks at the square wave pulse to determine the reaction time and ringing during the pulse. This is much more accurate than the old volumetric displacement.

Kind regards

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