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Re: FW: Need IBP (Medex) info (Lotfian-92/11/12)



Steve Nixon <steve.nixon@viamed.co.uk>

to Ali

Dear Ali

At the moment Novatrans and LogiCal are tested to the AAMI BP22 standard and they moved away from to a frequency response (dynamic performance).

Smiths are planning to test and comply to the 3rd edition, which will also move to a frequency response in displacement.

According to the AAMI publication, it is evident that the Frequency Response testing is superior to the old displacement. The volumetric displacement determined the amount of physical movement of the sensor or pressure. So when a pulse of pressure was applied to the transducer, the internal pressure sensing diaphragm moved outward according to the pressure applied. The more the movement, the less the waveform is produced. Frequency Response actually looks at the square wave pulse to determine the reaction time and ringing is much more accurate than just estimating the volumetric displacement.

Steve

On 2 February 2014 16:15, Ali Noorali <ali@somerfordelectronics.co.uk> wrote:

We don't have this standard from Medex.