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20th October 2020

Ref: Probe protective Shield Changes

Dear Customer,

Panametrics introduced the aluminum oxide moisture sensor in the early 1960's for process applications. Over the past decades, Panametrics improved the sensor design to provide lower limits of detection and faster response. In the past 10 years, we moved from hand-crafted manufacturing to a wafer/chip design. This change resulted in a more robust sensor, far less susceptible to mechanical short circuits, open circuits, and intermittent variations caused by transient flow and pressure disturbances. This design has been proven over the past 10 years.

Given the more robust design, we have made a change to our standard sensor shield in 2018. We have historically offered the sintered shield (R-shield) for gas/vapor applications and a solid stainless-steel shield (W-shield) for liquid and some high-purity gas applications. You will notice that the W-shield is now standard on all probes. The W-shield offers far less surface area and thus potentially better speed of response in drier applications. Based on where the sensor is mounted, the W-shield should provide more than adequate protection from typical flow and pressure disturbances. We ask that you continue to follow the installation and removal instructions shown in the analyzer user's manual, to prevent unnecessary damage to the sensor.

If we determine that the sintered shield is the better shield for your specific application, we will advise the appropriate part number so that it may be ordered separately, on a case by case basis.

Feel free to contact us if questions arise or if additional information is required.

Yours sincerely,

A handwritten signature in black ink that reads "Gerard McKeogh". The signature is written in a cursive, flowing style.

Gerard McKeogh

Global Product & Sales Manager

Panametrics Gas & Moisture Products