

3A certified with better performance

Pentronic can now offer improved measurement performance with 3A-approved sensors, even those with built-in signal conversion and a link to the supervisory control system.

3A Sanitary Standards is the American regulatory framework for temperature sensors in environments with high hygiene requirements, for instance production facilities for food and pharmaceuticals. The European equivalent is EHEDG.

"The difference is that 3A has design


requirements for things like radii and surface smoothness, whereas EHEDG is based on tests of an individual sensor's properties, for instance with regard to bacteria growth," explains Pentronic's sales manager Roland Gullqvist.

The result is that 3A leaves less room for individual ideas about how to design and build the optimal sensor. Sensor manufacturers must stay within the regulatory framework, but within those limits Pentronic has improved performance, partly thanks to its own micro-transmitter.

Pentronic News has previously described the miniaturised transmitter developed by Pentronic. It has very high performance and can be integrated in both Pt100 sensors and thermocouples.

The transmitter's design simplifies the system calibration of the sensor and transmitter and also the adjustment of the readings so that the host system receives the same signal levels from new sensors. At the same time, the 3A-critical parts of the design can be kept, which reduces hassle and costs for both Pentronic and its customers.

The Tri-Clamp sanitary fitting is one of the most widely used 3A-approved devices.

Pentronic is 3A certified for Tri-Clamp and a number of other devices. With the new possibilities Pentronic offers, performance can be improved within the framework of existing production- and measurement systems. 



The Tri-Clamp and other types of protective fittings are 3A-approved devices whose performance can be improved by Pentronic.