

January 20<sup>th</sup>, 2014

LiquiSonic<sup>®</sup> Controller now usable in potentially explosive atmospheres

### **Controller field housing certified according to explosion protection directive**

The operation of facilities in potentially explosive atmospheres and under extreme temperatures is common in certain industries, particularly in the chemical and petrochemical production. In order to guarantee a high level of safety for man and environment, the LiquiSonic<sup>®</sup> controller is being integrated in an explosion-proof field housing. Sophisticated development and construction turned into a comprehensive protection system that provides a maximum of reliability and process safety. Together with the LiquiSonic<sup>®</sup> sensors the controller is applied for monitoring the concentration and density in process liquids.

The enclosure includes an Ex d housing for the controller and an Ex e housing for the connection area. Both meet the requirements according to ATEX, IECEx, and UL guidelines as well as other country-specific standards. The explosion protection complies to the classification of II 2 G Ex de IIB + H2 T6, whereas the protection degree of the field housing is characterized by IP66 / NEMA 4X.

As a user-friendly complete solution the LiquiSonic<sup>®</sup> controller is being installed in the Ex field housing by SensoTech and will be delivered ready for immediate use to the customer. Navigation of the controller is made via serial interface or network connection. The measuring values can be watched through the viewing window of the housing. Furthermore they can be displayed on the computer. For ambient temperatures above 40 °C, the field housing is combined with an additional housing that integrates a Vortex-cooler. This option is particularly relevant for applications in petrochemical industries.

Image subtitle: Integrated in the Ex field housing, the LiquiSonic<sup>®</sup> controller is used in explosive areas for density and concentration monitoring.

Attachment

Image file: G1972\_01.jpg