

30th September 2016

Precise monitoring of drinking water disinfection

The Bürkert Online Analysis System can now measure chlorine dioxide

Bürkert has expanded the Type MS02 sensor cube for the Type 8905 Online Analysis System. The system can now measure either free active chlorine or chlorine dioxide. The Online Analysis System is designed for automatic monitoring of the most important analysis parameters in the treatment of drinking water.

The Type 8905 Online Analysis System from Bürkert is a modular system for fully automatic monitoring of all important water parameters with a single platform. The basic version provides sensor cubes for five parameters: pH value, redox potential (ORP), conductivity, chlorine and turbidity. Measurement of the chlorine dioxide content expands the capabilities of the Online Analysis System to include yet another important parameter. Precise amounts of chlorine dioxide are added to drinking and process water for disinfection purposes. The chlorine dioxide sensor makes it possible to continuously monitor and document the concentration and the effectiveness of the disinfection.

Monitoring of the chlorine dioxide content is now possible due to optimisation of the existing Type MS02 sensor cube for free active chlorine. The new version now allows to select to measure one of the two disinfectants. The chlorine dioxide sensor cube contains a membrane-covered amperometric cell, which is based on MEMS (microelectromechanical systems) technology. It is designed for use in water treatment applications where disinfecting or oxidizing agents are added.

The compact chlorine dioxide sensor cube can easily be plugged into the fluidic backplane of the Bürkert Online Analysis System during operation. It automatically conducts the measurement of the water sample including all calculations and sends the chlorine dioxide content of the water to the EDIP (Efficient Device Integration Platform), which enables intelligent networking of all electronic Bürkert devices of the latest generation.

(2.011 characters, including spaces)

Caption:

Bürkert Fluid Control Systems

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The Type MS02 sensor cube for the Bürkert Online Analysis System can now measure either the free active chlorine content or the chlorine dioxide concentration of the water sample

Keywords:

chlorine dioxide, water, Online Analysis System

Meta-Title:

Monitoring of drinking water disinfection

Meta-Description:

The Type MS02 sensor cube for the Bürkert Online Analysis System now also measures the chlorine dioxide content of water. Learn more here about the advantages of the system.

Deeplink:

www.burkert.com/en/type/MS02

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About BÜRKERT

Bürkert Fluid Control Systems is one of the world's leading manufacturers of measuring, control and regulating systems for liquids and gases. Bürkert products are used in a wide range of industries and applications – ranging from breweries and labs to medical, bio-engineering and aerospace technology. With a portfolio of more than 30,000 products Bürkert is the only supplier to offer all fluid control system components: from solenoid valves to process and analytical valves, as well as pneumatic actuators and sensors. The company, with headquarters in Ingelfingen in southern Germany, has a large-ranging sales network in 36 countries and more than 2,500 employees worldwide. In five Systemhaus locations in Germany, China and the USA, as well as four research centres, Bürkert continuously develops customised solutions and innovative products. The product range is supplemented by BürkertPlus, the comprehensive service offering that accompanies customers through the entire product life cycle.

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Press Release



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