



Management in water



Measurement

Control

Dosing

Disinfection

Water is our element

For more than 20 years, DOSATRONIC has been standing for quality, reliability and innovation.

The satisfaction of our customers is our top priority. This drives us to constantly work on new solutions and to never stand still.

DOSATRONIC develops, produces and distributes high-quality products and systems all over the world, particularly in the areas of water disinfection, wastewater treatment, process water, drinking water, swimming pool water and environmental technology.

Our product range includes:

- Measurement and control equipment
- pH electrodes, Redox electrodes and probes for conductivity, turbidity and temperature measurement
- Electrochemical sensors for chlorine, chlorine dioxide, chlorite, bromine, ozone, hydrogen peroxide, peracetic acid and oxygen sensors
- Dosing pumps and complete dosing systems

- Disinfection systems such as chlorine dioxide, electrolysis and UV-systems
- Swimming-pool technology

Motivated staff, reliability and openness towards our customers as well as the latest technology enable us to deliver systems which are tailored entirely to the needs of the individual client.

Numerous systems all over the world are the best proof for a successful work since the company was founded in 2000. For us it is a commitment to take care of our customers at home and abroad even years after the project itself.

We would appreciate to inform you individually and look forward to hearing from you: via e-mail: info@dosatronic.de or by phone: +49 (0) 7 51- 29 51 20

Please find more information about **DOSATRONIC** online on www.dosatronic.de.

**Water is life –
keep it clean!**



Measurement and control equipment

DOSAControl



In measurement, control and dosing technology, the correct choice of control equipment is often an important factor.

With the **DOSAControl** series, we offer a wide range of measurement and control devices from single-channel to multi-parameter controllers.

With this series, it is possible to measure and control the following parameters:

- ◆ pH
- ◆ Redox (ORP)
- ◆ Conductivity / temperature
- ◆ Chlorine
- ◆ Bromine
- ◆ Chlorite
- ◆ Chlorine dioxide
- ◆ Ozone
- ◆ Hydrogen peroxide
- ◆ Peracetic acid
- ◆ Oxygen
- ◆ Others (open chlorine probes)

Wall-mounted units are also suitable for putting on a panel, e.g. together with dosing pumps, a flow cell and sensors as a complete measurement, control and dosing unit ready for immediate use and for a variety of different tasks.

Of course, the panel-mounted systems are also individually designed to customer specifications depending on the application and choice of oxidant.

Moreover, we offer testing units for service work, a pH or mV simulator and a photometer for free chlorine, total chlorine or chlorine dioxide according to DPD as accessories for the measurement and control technology.

New!

Integrated web server
operation via web browser
4 parameters.



Sensors

DOSASens

A wide range of sensors is available for your particular measurement, control and dosing needs:

- ◆ pH
- ◆ Redox (ORP)
- ◆ Conductivity / temperature
- ◆ Chlorine
- ◆ Bromine
- ◆ Chlorite
- ◆ Chlorine dioxide
- ◆ Ozone
- ◆ Hydrogen peroxide
- ◆ Peracetic acid
- ◆ Oxygen
- ◆ Others (open chlorine probes with autoclean function)

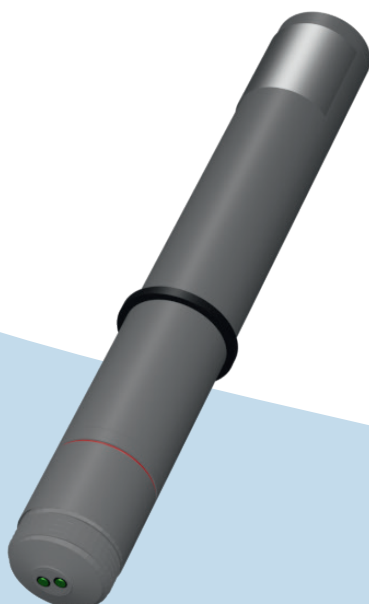
We offer a wide range of pH and redox electrodes in various forms for different pH and redox (ORP) measurement applications. We have the right electrode for your specific application, from standard electrodes to high-temperature and pressure electrodes.

Amperometric sensors are an important product line in water disinfection. They are indispensable for the disinfection of drinking water, swimming pool water, industrial water and process water. Our amperometric sensors are subject to constant development and optimization. So, they are now one of the most reliable measurement probes in water disinfection.

In accordance with our sensors, we offer different types of flow cells. Our flow cells and immersion and process-changeover valves are hydraulically optimized to the requirements of the sensors. They are quick and easy to install and the corresponding versions are also suitable for relatively high temperatures and pressures.

Impurities and solid particles in the water are particularly problematic for membrane-covered sensors. So it is important to install a suitable filter before the measuring point in order to protect the sensor membrane and avoid any interference with the sensor signal.

We offer everything from a single source!



Dosing Technology

DOSATec

Dosing pumps are used for all applications where fluids must be dosed according to time, volume and pressure.

Dosing can be highly varied. Therefore, certain criteria must also be taken into consideration during the pump design phase, for example:

- ◆ Dosage volume per unit time
- ◆ Dosing frequency
- ◆ Temperature
- ◆ Chemical resistance of parts in contact with the media
- ◆ Type of actuation, such as a 4 – 20 mA signal or pulses etc.

Our solenoid diaphragm dosing pumps with an electromagnetic drive are characterized by outstanding value for money. Delivery is in the range 0.2 l / h to 100 l / h, while pressure is in the range of max. 25 bar to min. 1 bar.

Almost all the dosing pumps are fitted with a PVDF pump head and associated valves such as suction and delivery valve. Self-venting pump heads are also available for gaseous media, such as chlorine and hydrogen peroxide.

Motor dosing pumps with mechanical membranes which are suitable for simple dosing tasks provide excellent value for money.

Moreover, we offer complete dosing stations. Dosing stations are pre-assembled complete systems generally consisting of the following components:

- ◆ Dosing tank
- ◆ Collection tray
- ◆ Dosing pump
- ◆ Suction lance
- ◆ Agitator/Mixer
- ◆ Pressure retention and pressure relief valve
- ◆ Shutoff valve etc.



Schwimming-Pool Technology

DOSAPool

In order to ensure the health of swimming pool users, the quality of swimming pool water is subject to very strict hygiene requirements. These requirements are reflected in both the national and international standards and regulations.

Meeting these requirements requires a measurement, control and dosing technology which is reliable and operates faultlessly to ensure that the water is thoroughly hygienic.

We offer solutions for private, public or hotel swimming pools based on customer requirements. A pH-redox (ORP) system for the private sector may be of very different design – from the straightforward, inexpensive system to complex systems, highly user-friendly and therefore in the upper price level. Besides pH control, the chlorine concentration is controlled indirectly via a redox electrode.

Both systems are user-friendly and reliable and meet all the requirements to guarantee the hygiene and health of swimming pool users and the enjoyment of perfect swimming conditions.

Unlike the pH-redox (ORP) swimming pool system, the pH-chlorine unit is more demanding on the operator, both in terms of knowledge about handling of chlorine probes and on their investment – nevertheless, chlorine measurement is the more accurate and reliable method of measuring chlorine directly.

The pH-redox-chlorine system is particularly used for public swimming pools. Technical standard DIN 19643 was formulated for the best water treatment and describes the treatment and disinfection of swimming pool water in detail. Everything in relation to hygiene and health is for the benefit of swimmers.



Desinfection

DOSAiX / DOSALux / DOSAactive

For the disinfection of water, we offer different systems like chlorine dioxide units, UV disinfection or electrolysis systems.

DOSAiX-chlorine dioxide units generate aqueous chlorine dioxide fully automatically according to the acid-chlorite process.

Our systems are used for the disinfection of drinking water, such as in public facilities, water works, industrial plants, for the sterilization of CIP plants, brewing waters, bottle washing plants in the beverage industry and for algae and biofilm removal in cooling systems and cooling towers etc. Water disinfection with UVC is an extremely effective and safe non-chemical method of disinfection. This has the

advantage that the water retains its natural smell and taste and the formation of harmful by-products is ruled out. UV systems are easy to install and maintain. Recently, we also offer DVGW and Ö-Norm certified UV systems.

reliable: **DOSAactive** electrolysis systems enable a safe and high-efficient method of water disinfection. Electrolysis systems use salt, water and electricity for an on-site production of fresh, highly-active chlorine for an effective disinfection.



Internationally for you available

