

Measuring and control panel: DULCOTROL DWCa for water treatment

ProMinent GmbH, a full-line supplier of components, systems and solutions for water treatment exhibit at the Aquatech 2019 in Amsterdam an improved product line of measuring- and control systems named DULCOTROL DWCa.

The DULCOTROL® DWCa are completely mounted, ready-to-work panels for online measuring/ control of water treatment processes. They are configured in a variety of designs, to match the individual requirements in the applications from drinking water to waste water

This is enabled by following components on the panels:

- NEW in the DULCOTROL line: the multifunctional Controller DULCOMETER® diaLog DACb which can control 1...3 measured variables and 1...4 metering pumps at once and is equipped with a lot of comfortable control-, documentation- and communication functionalities. The interfaces for Modbus, Profibus, Profinet and LAN are available for communication with a higher-level control system
- A variety of online sensors for the 13 most important measured variables for water treatment are available, including pH, redox, conductivity, a lot of disinfectants and oxidants, turbidity, fluoride and temperature
- Different bypass sensor housings are selected, to adapt to water quality from clean to polluted water
- Comprehensive optional accessories are available, e.g. pressure reducer, filter, heat exchanger and sample water pump

Following benefits are given

- The variety of configurations of the DULCOTROL panels enables perfect selection for the special application
- The application optimized configuration can be easily ordered by a simple user oriented identcode system - no technical knowhow needed.

- Quick, easy installation and commissioning of the whole measuring station without the risk of selecting wrong components and failures when mounting them.

The exhibit of a DULCOTROL DWCa at the Aquatech is aimed at drinking water with the applications

- Dissolved Oxygen to optimize ventilation for deferrization- demanganization
The NEW optical sensor type DO3 enables more accurate measured values and significantly reduce maintenance intervals and thus operating costs
- Free chlorine and pH to monitor the disinfection process
The free chlorine sensor type CGE3 enables accurate and reliable online measured values because the measuring electrodes are protected by a membrane which is resistant against deposit forming ingredients of drinking water. The sensor additionally shows low pH dependency which contributes to higher reliability in applications with higher and/or fluctuating pH.
The pH sensor type PHEP shows accurate reliable measurement and long lifetime because of the resistance of the ceramic diaphragm against chlorine

