

Control up to 16 channels

Multi-channel – multi-parameter measuring and control unit DULCOMARIN® II Disinfection Controller



The multi-channel measuring and control system DULCOMARIN® II Disinfection Controller processes and regulates measured values from up to 16 drinking water systems or cooling water lines. Metering pumps and metering and generation systems for disinfectants can be controlled directly on the basis of these measured parameters. The standardised CAN-bus system is utilised for networking the actuators and sensors to the control unit.

- Control between 1 and 16 circuits
- Possible measured variables per circuit: pH, redox, temperature, chlorine (free and total available chlorine), bromine, fluoride, ammonia, chlorine dioxide, chlorite, conductivity, UV intensity, flow and turbidity
- Simple wiring and flexible retrofit expansion options thanks to CAN-bus system
- Flexibility due to expansion options with Plug & Play bus modules for measuring, monitoring and controlling
- Major cost benefit due to simple installation and decentralised design
- Plug & Play: automatic sensor and metering pump detection
- Simple on-site calibration
- Integrated screen recorder with data logger as standard
- 5,7", 1/4 VGA colour display for easy operation
- Optional: basic visualisation*: simple with embedded web server* and standard web browser
- Optional: Integration into SCADA or building visualisation systems via OPC server* (via LAN interface), easily connected either directly to a PC, PC network or via the Internet

* Optional

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Key applications

- Treatment of drinking water
- Disinfection
- Water treatment

Technical data	
Correction variables:	pH for chlorine, temperature via Pt 100 or Pt 1000 within the range 0 to 100°C
Control characteristic:	P, PI, PID
Analogue outputs:	4 x 0/4 to 20 mA
Control outputs:	3 reed switches, 3 output relays or 4 analogue outputs 0/4 to 20 mA
Digital inputs:	3 per channel
Alarm relay:	250 VAC, 3A, 700 VA changeover contact
Protection class:	Wall mounted (IP 65); cabinet installation (IP 54)
Electrical connection:	85 to 265 VAC, 50/60 Hz
Communications interfaces:	optional LAN/Ethernet for embedded web server or OPC server + embedded web server
Standard:	1 screen writer with data logger incl. SD card and USB card reader for PC
Module types:	The disinfection controller can be equipped with various modules depending on the application and in accordance with customer requirements. Optional components include: M module, measuring modules: pH, redox, temperature A module, control module: 3 pump frequency and 4 analogue outputs R module, control module for chlorine gas metering devices I module, current input module, 3 mA inputs, 2 digital inputs P module, power supply, 1 alarm relay, 3 solenoid valve relays N module, power supply without relay