

Controller DULCOMETER Compact

Compact yet fully equipped - the basic water analysis unit



As a controller in water analysis, the DULCOMETER Compact is the correct controller for control tasks that require only a 1-way control.

Technical Details

- Measured variables: pH, ORP, chlorine, conductive and inductive conductivity
- Method of installation, degree of protection: Combination housing (wall mounting, control panel mounting, pillar assembly) IP 67, control panel IP 54
- Measurement: 1 measuring channel, temperature compensation for conductivity and pH
- Control: PID controller, monodirectional controller (e.g. with pH acid or alkali)
- Control inputs: 1 digital control input



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Technical Data

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| Measuring range | <p>pH: 0 ... 14 ORP: -1000 ... +1000 mV Chlorine: 0.05 ... 5 ppm, shock metering up to 10 ppm, max. 12 h with chlorine sensors CLB 4-µA-5 ppm and CLB 5-µA-5 ppm Conductive conductivity: 0.5 µS/cm ... 20 mS/cm (auto-ranging) Inductive conductivity with ICT 2: 20 µS/cm ... 2000 mS/cm (auto-ranging) Inductive conductivity with ICT 5: 200 µS/cm ... 2000 mS/cm (auto-ranging)</p> |
| Resolution | <p>pH: 0.01 pH ORP: 1 mV Chlorine: 0.01 ppm Conductivity: 0.1 µS/cm (depends on the measuring range)</p> |
| Accuracy | 0.5% of the upper range value |
| Temperature compensation range | 0 ... 120 °C, chlorine 1 ... 45 °C |
| Control | Monodirectional PID control with selectable control direction |
| Inputs | <p>Sensor input for the relevant measured variable Temperature sensor input: pH: Pt 1000, chlorine and conductivity: Pt 100/ Pt 1000 1 digital input as a remote control input for the pause control/sample water fault functions</p> |
| Outputs | <p>1 pulse frequency output for controlling metering pumps 1 active 0/4...20 mA output configurable as a measured or control variable, max. load: 400 Ω 1 output relay used as a changeover contact, can be configured as an alarm, limit value or pulse width-modulated control output for motor-driven metering pumps</p> |
| Cell constant, conductive conductivity | 0.05 ... 12.0 cm ⁻¹ |
| Voltage supply | 100 ... 230 V, 50/60 Hz, 5 W |
| Permissible operating temperature | -10 ... +60 °C |
| Enclosure rating | IP 67, based on NEMA 4 X Indoor |
| Dimensions | 135 x 125 x 75 mm (H x W x D) |
| Weight | 0.5 kg |