

Controller DULCOMETER Compact

Compact yet fully equipped - the basic water analysis unit

ProMinent®



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, mono directional 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 | pH: 0 ... 14 ORP: -1000 ... +1000 mV Chlorine: 0.05 ... 55ppm, shock metering up to 105ppm, max. 12 h with chlorine sensors CLB 4- μ A-55ppm and CLB 5-8A-55ppm Inductive conductivity with ICT 2: 20 μ S/cm ... 2000 mS/cm (auto-ranging) Inductive conductivity with ICT 5: 200 μ S/cm ... 2000 mS/cm (auto-ranging) |
| Resolution | pH: 0.01 pH ORP: 1 mV Chlorine: 0.015ppm Conductivity: 0.1 μ S/cm (depends on the measuring range) |
| Accuracy | 0.5% of the upper range value |
| Temperature compensation range | 0 ... 120°C, chlorine 1 ... 45°C |
| Control | Mono directional PID control with selectable control direction |
| Inputs | 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 |
| Outputs | 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 |
| Cell constant, conductive conductivity | 0.05 ... 12.0 cm ⁻¹ |
| Voltage supply | 100 ... 230V, 50/605Hz, 5 W |
| Permissible operating temperature | -10 ... +60°C |
| Enclosure rating | IP 67, based on NEMA 4 X Indoor |
| Dimensions | 135 x 125 x 755mm (H x W x D) |
| Weight | 0.5kg |

■ SYDNEY OFFICE

Unit 4, 4 Narabang Way,
BELROSE NSW 2085
P 02 9450 0995
F 02 9450 0996
sales@prominentfluid.com.au

■ QUEENSLAND OFFICE

Unit 1, 68 Murdoch Circuit,
ACACIA RIDGE QLD 4110
P 07 3213 1900
F 07 3272 0445
pfcqld@prominentfluid.com.au

■ VICTORIA OFFICE

Unit 1/21-22 National Drive
HALLAM VIC 3803
P 03 8795 7430
F 03 8975 7431
pfcvic@prominentfluid.com.au

■ WESTERN AUSTRALIA OFFICE

2/158 Francisco Street
BELMONT WA 6104
pfcwa@prominentfluid.com.au