

Dosing output control system PROCON V3

Wherever chemicals are to be dosed in a periodical cycle, PROCON V3 is the proper control system. A typical application is the phosphate elimination process in water or waste water treatment. Even without online P-charge measurement, the consumption of chemicals can be reduced significantly.

PROCON V3 has been developed for the optimized control of dosing pumps through an external analogue signal or through trend guiding.

Core of the PROCON V3 is its easy-to-use touch screen display with clearly-arranged symbols and keys. Five set point values can be adjusted for weekdays (Monday to Friday), Saturday and Sunday to allow for maximum flexibility.



The dosing quantity system, PROCON V3 has been developed for control tasks where the dosing capacity from dosing pumps is controlled either with a guidance signal system or a time control system. When a guide control system is used, switch over is made automatically to a time control system if the signal fails (<math><2\text{mA}</math>).

The set point value of the time control system is ignored when 2mA is exceeded and the dosing pumps are operated independently from this set point value.

Operation via guide signal system (ext. set point value) can take place with 1 or 2 analog signals at 4-20mA.

The dosing quantity is set proportionally to the guidance signal when there is operation with 1 guidance signal. The required quantity is calculated from both guidance signals, if the dosing quantity is changed via two guidance signals.

Extra equipment

•Control unit dosing pumps •Signal input 4-20mA for external set point value •Automatic intake device • Overvoltage protection • design with Siemens S7 and interfaces for profibus or ethernet

Technical data:

- Set point values: Mon.-Fri., Sat., Sun., 5 set points each
- Protection class: IP65
- Power supply: 400 V, L1, L2, L3, N, PE