

### 1.1.1.

### DOSAControl Measurement and control device DCW 120 MF



Single channel controller, freely programmable for the following potentiostatic sensors: pH, redox (ORP), conductivity, temperature, turbidity, oxygen, nitrate. For amperometric sensors:  $\text{Cl}_2$ ,  $\text{COI}_2$ ,  $\text{O}_3$ ,  $\text{H}_2\text{O}_2$ , PES, bromine, each for a mA or a mV signal input.

#### Product description:

- Backlit LCD for parameter display, all measured and operating values are displayed on the screen simultaneously
- Test functions
- Adjustable polarisation time
- Direct access to calibration
- Inputs
  - Input 1: for measurement cells 4 to 20 mA at 12/24 V, galvanically isolated
  - Input 2: for measurement cells  $\pm 0$  to 2000 mV
  - Input 3: Flow meter (inductive proximity switch, PNP)
  - Input 4: Control input NO/NC with adjustable delay
  - Input 5: for stand-by
- Outputs:
  - Output 1: 4 to 20 mA, transmission of measured or set point
  - Output 2: 4 to 20 mA, transmission of measured or set point
  - Output 3: relay output for dosing pumps (230 VAC, pulse or cycle)
  - Output 4: relay output (control, P, PI, or PID)
  - Output 5: relay output for alarm
- Controller 1: PID behaviour
- Option: RS 485 serial port, Modbus protocol
- Integrated safety features, e.g. in case of mains failure or lack of water
- Dosing rate can be monitored; in case of excessive dosing at full
- Rate an alarm is triggered. Two limits can be set.
- Data/parameters are saved even in case of power failure
- Languages: DE, ES, FR, GB, IT, PT

#### Areas of application:

- Measurement and regulation of: pH, redox, conductivity, temperature, turbidity, oxygen chlorine, ozone, hydrogen peroxide, peracetic acid, bromine.

#### Scope of supply:

- **DOSAControl DCW 120 MF**, IP 65 housing, 229 x 204 x 116 mm (W x H x D), made of ABS, for wall mounting, standard 2 m connection cable

#### Ordering data:

Type:	Option:	Item number:
<b>DCW 120 MF</b>		2188200
Hardware interface	RS 485	2188205
Software interface	Modbus RTU	on request