

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: Cl₂, COI₂, O₃, H₂O₂, 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 4–20 mA at 12/24 V, galvanically isolated
 - Input 2: for measurement cells ±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: 4–0 mA, transmission of measured or set point
 - Output 2: 4–20 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 connection lead 2 m

Ordering data:

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