

1.1.1.

DOSAControl Measurement and control device **DCW 105**



Single channel controller for potentiostatic sensors for measurement of: free chlorine, chlorine dioxide, ozone or hydrogen peroxide as well as for temperature display.

Product description:

- Graphical menu navigation
- Additional functions accessible via activation codes or modules
- Electrochemical cleaning with special sensors available as an option (automated process)
- Device with measurement and temperature input:
 - Input 1: variable measurements
 - Input 2: temperature
 - Input 3: external stop
- Outputs:
 - Output 1: relay with PID behaviour,
 - Output 2: relay with PID behaviour,
 - Output 3: 4 to 20 mA
 - Output 4: alarm relay
- Start delay: 0 to 200 sec until controller is active
- Temperature coefficient: 0.0 to 8.0 %, coefficient K adjustable
- Two limits with delay, coupled with the alarm relay
- SD card slot (for firmware update or image creation)
- Two user levels with password protection
- Event log and event help
- Energy-saving mode selectable
- Protected by auto-lock function
- Complies with valid EU regulations and thus meets all regulatory standards
- Temperature range: -30 to +140 °C with Pt100 or Pt1000
- Ambient temperature: 0 to 50 °C
- Power supply: 85 to 230 VAC, optionally 24 VDC

Areas of application:

- Potentiostatic measurement and regulation of: chlorine (Cl₂), chlorine dioxide(ClO₂), ozone (O₃), temperature with temperature compensation (measurement and display).

Scope of supply:

- **DOSAControl DCW 105**, standard 2 m connection cable, IP 54 housing (B x W x D) 144 x 144 x 83 mm, made of ABS (optional wallmounted version with IP 65), SD card up to 2 MB (industrial standard)

Ordering data:

Type:	Item number:
DCW 105	2088180

Additional technical data:

Type:	Measured variable:	Suitable sensors:	Measuring range: mg/l	Power supply:	Max. contact load:	Measurement modules available for:
DCW 105	Free chlorine	KCL	0–1,00 mg/l	85 to 230 VAC, + 6/- 10%	250 V/6 A, max. 550 VAC	- pH/Redox - conductiv - inductive - mA input - gas
	Chlorine dioxide	KCLD	0–5,00 mg/l			
	Ozone	KCOZ	0–10 mg/l			
	H ₂ O ₂		0–30 mg/l			
	on request					

Optionen:

Type	Option:	Specification:	Item number:
DCW 105	Communication	RS 485 – modbus RTU	2038262
	Back-up	Data logger	2038261
	Power supply	24 VDC	2038260
	Outputs	Second analogue output (mA)	2038263
	Automatic cleaning	Automatic cleaning with suitable sensor (sensor not included in the scope of delivery)	2038215
	Wall mounting	With IP 65	2038266
	Integration to control panel	With IP 54 (front), IP 30 (housing)	2038265