

1.04 DOSAControl Series DCW 2

2-Channel-Controller for pH, Redox (ORP), Conductivity, Free Chlorine, Total Chlorine, Chlorine Dioxide, Hydrogen Peroxide, Peracetic Acid and Ozone; Wall Mounted



General Information:

- 2-Channel microprocessor controller with background lightened LC-Graphic-Display, for the combination of 2 measuring-devices in one controller
- Residual data storage in case of power failure
- Programmable start-up delay
- Selectable control-mode:
 - Pulse-Frequency (PFM)
 - Pulse-Width (PWM)
 - ON/OFF-Mode with 2 set-points, each mode with adjustable hysteresis
- Digital inputs
 - 1 x Stand-by, or flow control
 - 2 x level indication
- Digital outputs
 - 2 x Open-Collector as pulse-contact for dosing pump control (dosing pumps with pulse-frequency input)
- Analog output:
 - 2 x 0/4 ... 20 mA, programmable
- Connection for temp. sensor: NTC 10 KOhm
- Serial Interface RS 485
- Digital outputs (current free), max. contact load 230V/5A:
 - 4 x Relay for set-points
 - 1 x Relay as alarm output
- ABS-plastic housing, enclosure rating IP 65, Dimension (height x width x depth): 201 x 202 x 106 mm

Technical Data:

Series DCW 2		PH	RH	CD	CL	CLD	O ₃
Measurement - and Control-Range	pH mV mS/cm mg/l Cl ₂ mg/l ClO ₂ mg/l O ₃	0 ... 14.00	-1000 ... +1000	0 ... 200.0	0 ... 200.0	0 ... 20.00	0 ... 20.00
Resolution		0.01	1	0.01 0.1 1	0.001 0.01	0.01	0.01
Suitable Probes and Sensors		HGR HGK PHRT-2 PHRTH-2 PH ... -2	PFGR PF GK MVRTH-2 MV... -2	dif. Types	DCL AS 2, AS 3 CL 4.1 CS 2.3 CP 2.1	DCLD CD 4 CD 7	OZ 1 OZ 7

Series DCW 2		H ₂ O ₂	PES
Measurement - and Control-Range	mg/l H ₂ O ₂ mg/l PES mg/l O ₂ NTU	0 ... 2000	0 ... 10000
Resolution		1	1
Suitable Probes and Sensors		WP 7	PES 7 PES 8

For automatic temperature compensation the temperature sensor types ETEP and ETE are suitable. Probes and sensors, as well as in-line armatures are listed in Chapter 2.

Order Code:

A

DOSA Control DCW 2

Channel 1:	Measurement Range:	Suitable Sensors:	
PH	Range: pH 0 ... 14,00	HGR, HGK, PHRT-2, PHRTHT-2, PH...2	
RH	Range: -1000 ... +1000 mV	PFGR, PFGK, MVRHT-2, MV...2	
CL	0 ... 2,00 mg/l Cl ₂	DCL 2, CL 4.1H	
	0 ... 5,00 mg/l Cl ₂	DCL 5,CL 4.1N	
	0 ... 10,00 mg/l Cl ₂	DCL 10, CL 4.1N	
Channel 2:	Measurement Range:	Suitable Sensors:	
PH	Range: pH 0 ... 14,00	HGR, HGK, PHRT-2, PHRTHT-2, PH...2	
RH	Range: -1000 ... +1000 mV	PFGR, PFGK, MVRHT-2, MV...2	
CL	0 ... 2,00 mg/l Cl ₂	DCL 2, AS 2N, AS 3N, CL 4.1H, CS 2.3HUn, CP 2.1HUn, CC 1Hun	
	0 ... 5,00 mg/l Cl ₂	DCL 5, AS 2N, AS 3N, CL 4.1N, CS 2.3N, CP 2.1N, CC 1N	
	0 ... 10,00 mg/l Cl ₂	DCL 10, AS 2N, AS 3N, CL 4.1N, CS 2.3N, CP 2.1N, CC 1N	
	0 ... 20,00 mg/l Cl ₂	DCL 20, CL 4.1N, CP 2.1N, CC 1N	
	0 ... 200,0 mg/l Cl ₂	DCL 200, CL 4.1L	
CLD	0 ... 2,00 mg/l ClO ₂	DCLD 2, CD 4, CD 7	
	0 ... 4,00 mg/l ClO ₂	DCLDP 4	
	0 ... 20,00 mg/l ClO ₂	DCLD 20, CD 4, CD 7	
O ₃	0 ... 20,00 mg/l O ₂	OZ 1, OZ 7	
H ₂ O ₂	0 ... 200,0 mg/l O ₃	WP 7Hun	
	0 ... 2.000 mg/l O ₃	WP 7Un	
PES	0 ... 2.000 mg/l PES	PES7N, P8N	
	Power Supply:		
	0 230 VAC, +/-10%, 50/60 Hz		
	1 100 VAC, +/-10%, 60 Hz		
	2 24 VDC, +/-10%		
	Colors:		
	N Black (Standard)		
	G Grey		

DCW 2 - PH / CL 0 N (Order Example)

Your Selection:

DCW 2 -					
DCW 2 -					
DCW 2 -					
DCW 2 -					
DCW 2 -					