

## 1.04 DOSAControl Series DCW 1

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



### General Information:

- Microprocessor controller with LC-Graphic-Display, background lightened
  - 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
    - 1 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:
    - 2 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 1		PH	RH	CD	CLD	CLD	O <sub>3</sub>
Measurement - and Control-Range	pH mV mS/cm mg/l Cl <sub>2</sub> mg/l ClO <sub>2</sub> mg/l O <sub>3</sub>	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 PHRTHT-2 PH ... -2	PFGR PFGK MVRTHT-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 1		H <sub>2</sub> O <sub>2</sub>	PES	O <sub>2</sub>
Measurement - and Control-Range	mg/l H <sub>2</sub> O <sub>2</sub> mg/l PES mg/l O <sub>2</sub> NTU	0 ... 2000	0 ... 10000	0 ... 20.00
Resolution		1	1	0.01
Suitable Probes and Sensors		WP 7	PES 7 PES 8	MFOX 39 MFOX 41

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

Series DCW 1			
PH	Measurement Range:	Suitable Sensors:	
RH	Range: pH 0 ... 14.00	HGR, HGK, PHRT-2, PHRTHT-2, PH...2	
CD 20	Range: -1000 ... +1000 mV	PFGR, PFGK, MVRTHT-2, MV...2	
CD 200	0 ... 20.00 µS/cm	EICD/001, EICDC/001	
CD 2000	0 ... 200.0 µS/cm	ECDIC/01, EICDC/01	
CD 20.0	0 ... 2000 µS/cm	ECDI/1, ECDIC/1, EICD/1, EICDC/1	
CD 200.0	0.01 ... 20.00 mS/cm	ECDC/1, ECDCC/1,	
CL 2	0.1 ... 200.0 mS/cm	DCL 2, AS 2N, AS 3N, CL 4.1H,	
CL 5	0 ... 2.00 mg/l Cl <sub>2</sub>	CS 2.3HUn, CP 2.1HUn, CC 1Hun	
CL 10	0 ... 5.00 mg/l Cl <sub>2</sub>	DCL 5, AS 2N, AS 3N, CL 4.1N,	
CL 20	0 ... 10.00 mg/l Cl <sub>2</sub>	CS 2.3N, CP 2.1N, CC 1N	
CL 200	0 ... 20.00 mg/l Cl <sub>2</sub>	DCL 10, AS 2N, AS 3N, CL 4.1N,	
CLD 2	0 ... 200.0 mg/l Cl <sub>2</sub>	CS 2.3N, CP 2.1N, CC 1N	
CLD 20	0 ... 2.00 mg/l ClO <sub>2</sub>	DCL 20, CL 4.1N, CP 2.1N, CC 1N	
O <sub>2</sub>	0 ... 20.00 mg/l ClO <sub>2</sub>	DCL 200, CL 4.1L	
O <sub>3</sub>	0 ... 2.00 mg/l O <sub>2</sub>	DCLD 2, CD 4, CD 7	
H2O2-200	0 ... 20.00 mg/l O <sub>2</sub>	DCLD 20, CD 4, CD 7	
H2O2-2000	0 ... 200.0 mg/l O <sub>2</sub>	MFOX 39, MFOX 41	
PES	0 ... 2000 mg/l O <sub>2</sub>	OZ 1, OZ 7	
	0 ... 10000 mg/l O <sub>3</sub>	WP 7Hun	
		WP 7Un	
		PES7N, PES8N	
	<b>Power Supply:</b>		
	0 230VAC, +/-10%, 50/60 Hz		
	1 100 VAC, +/-10%, 60 Hz		
	2 48 VAC, +/-10%, 50/60 Hz		
	3 12 VDC, +/-10%		
	4 24 VDC, +/-10%		
	<b>Color (Housing):</b>		
	N Black		
	G Grey (Standard)		

DCW 1	PH	0	G	(Order Example)
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Your Selection:

DCW 1				
DCW 1				
DCW 1				
DCW 1				
DCW 1				