

1.1.1.

DOSAControl Measurement and control device **DCH**

1-channel controller for potentiostatic and amperometric sensors for the measurement of: pH, free chlorine, total Chlorine, Chlorine dioxide, Chlorite, Ozone, Oxygen, Hydrogen, peroxide, Peracetic acid, Bromine, conductivity, redox (ORP) and for the measurement and displaying of the temperature.



Please look under accessories

Product description:

- Microprocessor unit with LCD, backlit
- Programmable switch-on delay
- ON/OFF control mode with two limits and adjustable control hysteresis
- Input:
 - 1 x 0 to -2000 mV or, 4–20 mA or conductivity
 - NTC 10 kΩ with autom. temp. compensation (only pH and conductivity) flow control
- Output:
 - 2 x limit switch contact (Digital outputs as potential free relay, max. contact load 230 V/5 A
 - 1 x 4–20 mA, programmable, Minimum Load 250 Ohm
- Power supply:
 - 230 VAC, 50/60 Hz
 - Alternating power supply 24 V DC
- Enclosure in ABS plastic for DIN Rail mounting, 106 x 95 x 55 mm (width x height x depth), protection class IP20

Areas of application:

- Measurement and control of: pH, redox (ORP), Conductivity, free chlorine, total chlorine ... as mentioned above.

Scope of supply:

- **DOSAControl DCH**, standard connection lead 5 m

Ordering data:

Type:	Measurand:	Item number:
DCH	pH, temperature	2188550
	Redox	2188551
	0 to -2000 mV, or 4–20 mA	2188552
	CD1 - Conductivity (0 – 1.99 µS) Cell constant K = 0.1	2188553
	CD1 - Conductivity (0 – 3.99 µS) Cell constant K = 0.2	2188553
	CD2 - Conductivity (0 – 19.9 µS) Cell constant K = 0.1	2188554
	CD2 - Conductivity (0 – 39.9 µS) Cell constant K = 0.2	2188554
	CD3 - Conductivity (0 – 199.9 µS) Cell constant K = 0.1	2188555

Subject to technical modifications and printing errors. Images may vary slightly from actual product.
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Ordering data:

Type:	Measurand:	Item number:
DCH	CD3 - Conductivity (0 – 399.9 µS) Cell constant K = 0.2	2188555
	CD4 - Conductivity (0 – 1999 µS) Cell constant K= 0.2	2188556
	CD4 - Conductivity (0 – 9999 µS) Cell constant K = 1	2188556
	CD5 - Conductivity (0 – 19.99 mS) Cell constant K = 1	2188557

Additional technical data:

Type:	Measured variable:	Measuring range:	
DCH	Potentiostatic:		
	pH	0 – 14	
	redox (ORP)	-1000 mV to +1000 mV	
	Amperometric: 0 to -2000mV, or 4 – 20 mA		
	free chlorine	0.005 mg/l ... 200 mg/l	
	total Chlorine	0.005 mg/l ... 20 mg/l	
	Chlorine dioxide	0.005 mg/l ... 200 mg/l	
	Chlorite	0.05 mg/l ... 2 mg/l	
	Ozone	0.05 mg/l ... 20 mg/l	
	Oxygen	on request	
	Hydrogen peroxide	0 mg/l ... 2 mg/l	
	Peracetic acid	0 mg/l ... 2 mg/l	
	Bromine	0.005 mg/l ... 20 mg/l	

Accessories: housing

Typ:	RAL Color number:	Dimensions: (height x width x depth) mm	Number of TE units: according to DIN standard 43880, (1 TE \triangleq 17,5 ... 18 mm)	Protection:	Protection:	Number of doors:	Item number:
Wall-mounted-housing for 1 x DCH	7035 (stone gray)	190 x 165 x 113	6	IP 65	2	1	8917250
Wall-mounted-housing for 1 x DCH + addition		on request	10				8917251
Wall-mounted-housing for 2 x DCH		210 x 235 x 113	12				8917252