

DOSAControl Measurement and control unit 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.

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 k Ω 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/5A
 - 1 x 4–20 mA, programmable, Minimum Load 250 Ohm
- Power supply:
 - 230 VAC, 50/60 Hz
 - Alternating power supply 24 VDC
- Enclosure in ABS plastic for DIN Rail mounting, 106 x 95 x 55 mm (width x height x depth), protection class IP20



Please look under accessories

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 μ S) Cell constant K= 0.1	2188553
	CD1 - Conductivity (0–3.99 μ S) Cell constant K= 0.2	2188553
	CD2 - Conductivity (0–19.9 μ S) Cell constant K= 0.1	2188554
	CD2 - Conductivity (0–39.9 μ S) Cell constant K= 0.2	2188554
	CD3 - Conductivity (0–199.9 μ S) Cell constant K= 0.1	2188555

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 $\pm$ 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