

1.1.1 Chlorine-dioxide Sensor CD4.2

Sensor for the measurement of chlorine dioxide. Membrane-covered, amperometric 2-electrode system.



Product description:

- Measurand(s): chlorine dioxide,
- Calibration: at the controller, am Controller, via analytical chlorine-dioxide determination by DPD-1 method
- Interferences: Cl₂ is being registered with factor 0,03 of ist measured value, O₃ is also registered
- pH range: 1 ... 11,
- Pressure range: 0 ...1 bar, no pressure surges and/or fluctuations,,
- Temperature range: 5 ... 45 °C,
- Integrated automatic temperature compensation,
- Response time: T₉₀ approx. 15 s,
- Flow rate: approx. 30 l/h, low flow-dependence,
- Shaft length: 175 mm, 220 mm,
- Material: PVC-U, semipermeable membrane,

Areas of application:

- Fresh water, surfactants must not be contained

Scope of supply:

- CD4.2: sensor, membrane cap, electrolyte,

Ordering data:

Type: Chlorine dioxide sensor CD4.2 Shaft length: 175 mm	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
CD4.2H	0.005 ... 2.000	0.001	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3326450
CD4.2N	0.05 ... 20.00	0.01			3326451
CD4.2H-An	0.005 ... 2.000	0.001	Modbus RTU	9 ... 30 VDC 20 ... 56 mA	3326455
CD4.2N-An	0.05 ... 20.00	0.01			3326456
CD4.2H-M0c	0.005 ... 2.000	0.001			3326465
CD4.2N-M0c	0.05 ... 20.00	0.01			3326466
CD4.2MA0,5	0.005 ... 0.500	0.001	4 ... 20 mA	12 ... 30 VDC Rl. 50Ω ... 900Ω	3326480
CD4.2MA2	0.05 ... 2.00	0.01			3326481
CD4.2MA5	0.05 ... 5.00	0.01			3326482
CD4.2MA10	0.05...10.00	0.01			3326483
CD4.2MA0,5-M12	0.005 ... 0.500	0.001			3326490
CD4.2MA2-M12	0.05 ... 2.00	0.01			3326491
CD4.2MA5-M12	0.05 ... 5.00	0.01			3326492
CD4.2MA10-M12	0.05...10.00	0.01			3326493

Additional technical data:

Type: Chlorine dioxide sensor CD4.2	Slope:	Connection:	Special characteristics:
CD4.2H	-1000 mV/ppm	4-pole plug	Connection only to a controller with galvanically separated power supply
CD4.2N	-100 mV/ppm		
CD4.2H-An	-1000 mV/ppm		
CD4.2N-An	-100 mV/ppm	M12 male	
CD4.2H-M0c	Modbus RTU		
CD4.2N-M0c			
CD4.2MA0.5	32.0 mA/ppm	2-pole terminal	Connection only to a controller with galvanically separated power supply
CD4.2MA2	8.0 mA/ppm		
CD4.2MA5	3.2 mA/ppm		
CD4.2MA10	1.6 mA/ppm		
CD4.2MA0.5-M12	32.0 mA/ppm	M12 male	
CD4.2MA2-M12	8.0 mA/ppm		
CD4.2MA5-M12	3.2 mA/ppm		
CD4.2MA10-M12	1.6 mA/ppm		

Spare parts:

Spare part:	For sensor type:	Item number:
Membrane cap M20.2	CD4.2 (all types)	9026001
Electrolyte ECD4 – ECD7/W	CD4.2 (all types)	9026073

Zubehör:

Type:	For sensor:	Item number:
Sensor-simulator pH, redox, Cl	all sensors with mV signal	(10115)
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	alle Sensoren mit mA-signal	2125100
mV-simulator and mV-tester	all sensors with mV signal	(10300)
mV-simulator and mA-tester	all sensors with mV-signal or mA-signal	(10305)
Photometer zur Kalibrierung	all sensors	
Reagenz für Photometer	all sensors	