

1.1.1 DOSASens Chlorine dioxide Sensor AS2, AS3

Sensor for the measurement of chlorine dioxide with open measuring cell. Optional with cleaning device.



Product description:

- Measurand(s): chlorine dioxide
- Calibration: at the controller, via analytical determination by DPD-1 method
- Interferences: ozone, chlorine, chlorite are registered with less than 2%
- pH range: 1 ... 9
- Pressure range: 0 ... 8 bar
- Temperature range: 0 ... 50 °C (AS2), 0 ... 70 °C (AS3)
- Automatic temperature compensation
- Response time: T₉₀ approx. 30 s
- Flow rate: approx. 30 l/h
- Shaft length: standard 175 mm, and up to 220 mm in length (mA-Version)
- Connection: standard 4-pole plug; for mA-version 2-pole terminal, M12 male or Modbus RTU with M12 male
- Material: PVC-U (AS2), PEEK (AS3)

Areas of application:

- Fresh water, especially drinking water, up to max. 70 °C

Scope of supply:

- **AS2, AS3:** sensor, electrolyte hull, electrolyte

Ordering data:

Type: (bis 50°C)	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
AS2H-CD	0.005 ... approx. 2.00	0.001	0 ... -2000 mV 1 kΩ	±5 ... ±15 V DC 10 mA	3326154
AS2N-CD	0.03 ... approx. 10.00	0.01			3326150
AS2H-CD-An	0.005 ... approx. 2.00	0.001	Modbus RTU	9 ... 30 V DC ca. 20 ... 56 mA	3426800
AS2N-CD-An	0.03 ... approx. 10.00	0.01			3426801
AS2H-CD-M0c	0.005 ... approx. 2.00	0.001	Modbus RTU	9 ... 30 V DC ca. 20 ... 56 mA	3426820
AS2N-CD-M0c	0.03 ... approx. 10.00	0.01			3426821
AS2MA1-CD	0.03 ... approx. 1.00	0.01	4 ... 20 mA	12 ... 30 V DC RL 50Ω ... RL 900Ω	3326151
AS2MA2-CD	0.03 ... approx. 2.00	0.01			3326152
AS2MA5-CD	0.03 ... approx. 5.00	0.01			3326153
AS2MA1-CD-M12	0.03 ... approx. 1.00	0.01	4 ... 20 mA	12 ... 30 V DC RL 50Ω ... RL 900Ω	3426840
AS2MA2-CD-M12	0.03 ... approx. 2.00	0.01			3426841
AS2MA5-CD-M12	0.03 ... approx. 5.00	0.01			3426842

Ordering data:

Type: (bis 70°C)	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
AS3H-CD	0.005 ... approx. 2.00	0.001	0 ... -2000 mV 1 kΩ	±5 ... ±15 VDC 10 mA	3326164
AS3N-CD	0.03 ... approx. 10.00	0.01			3326160
AS3H-CD-An	0.005 ... approx. 2.00	0.001		9 ... 30 V DC ca. 20 ... 56 mA	3426850
AS3N-CD-An	0.03 ... approx. 10.00	0.01			3426851
AS3H-CD-M0c	0.005 ... approx. 2.00	0.001	Modbus RTU		3426870
AS3N-CD-M0c	0.03 ... approx. 10.00	0.01			3426871
AS3MA1-CD	0.03 ... approx. 1.00	0.01	4 ... 20 mA	12 ... 30 VDC RL 50Ω ... RL 900Ω	3326161
AS3MA2-CD	0.03 ... approx. 2.00	0.01			3326162
AS3MA5-CD	0.03 ... approx. 5.00	0.01			3326163
AS3MA1-CD-M12	0.03 ... approx. 1.00	0.01			3426890
AS3MA2-CD-M12	0.03 ... approx. 2.00	0.01			3426891
AS3MA5-CD-M12	0.03 ... approx. 5.00	0.01			3426892

Additional technical data:

Type: (up to 50°C)	Slope:	Connection:	Special characteristics:
AS2H-CD	-1000 mV/ppm	4-pin plug	Connection only to a controller with galvanically separated power supply.
AS2N-CD	-100 mV/ppm		
AS2H-CD-An	-1000 mV/ppm		
AS2N-CD-An	-100 mV/ppm		
AS2H-CD-M0c	Modbus RTU	M12 female	-
AS2N-CD-M0c			
AS2MA1-CD	16 mA/ppm	2 pole terminal	Connection only to a controller with galvanically separated power supply.
AS2MA2-CD	8.0 mA/ppm		
AS2MA5-CD	3.2 mA/ppm		
AS2MA1-CD-M12	16 mA/ppm	M12 female	
AS2MA2-CD-M12	8.0 mA/ppm		
AS2MA5-CD-M12	3.2 mA/ppm		

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

Type: (up to 70°C)	Slope:	Connection:	Special characteristics:
AS3H-CD	-1000 mV/ppm	4-pin plug	Connection only to a controller with galvanically separated power supply.
AS3N-CD	-100 mV/ppm		
AS3H-CD-An	-1000 mV/ppm		
AS3N-CD-An	-100 mV/ppm		
AS3H-CD-M0c	Modbus RTU	M12 female	-
AS3N-CD-M0c			
AS3MA1-CD	16 mA/ppm	2 pole terminal	Connection only to a controller with galvanically separated power supply.
AS3MA2-CD	8.0 mA/ppm		
AS3MA5-CD	3.2 mA/ppm		
AS3MA1-CD-M12	16 mA/ppm	M12 female	
AS3MA2-CD-M12	8.0 mA/ppm		
AS3MA5-CD-M12	3.2 mA/ppm		

Spare parts:

Spare part:	for sensor type:	Item number:
Abrasive paper S3	AS (all types)	9026103
Electrolyte hull PVC	AS2 (all types)	9026154
Electrolyte hull PEEK	AS3 (all types)	9026220
Electrolyte EAS1/Gel	AS (all types)	9026066

Accessories:

Type:	for sensor:	Item number:
Cleaning device RV1	AS (all types)	9026180
Sensor-simulator pH, redox, Cl	all sensors with mV signal	21131100
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with mA-signal	auf Anfrage
mV-Simulator and mA-Tester	all sensors with mV-signal or mA-signal	21131105
Photometer for Calibration	all sensors	90231060