

1.1.1 Chlorine Sensor AS2, AS3

Sensor for the measurement of free, inorganic chlorine with open measuring cell.



Produktbeschreibung:

- Measurand(s): free chlorine made of chlorine bleaching or chlorine gas and electrolytically generated chlorine
- Calibration: at the controller, via analytical determination by DPD-1 method,
- Interferences: ozone, chlorine dioxide, chlorite are also registered
- pH range: 1 ... 9,
- Pressure range: 0 ... 8 bar,
- Temperature range: 0 ... 50 °C (AS2), 0 ... 70 °C (AS3),
- Integrated automatic temperature compensation
- Response time: T₉₀ approx. 30 s,
- Flow rate: approx. 30 l/h,
- Shaft length: 175 mm, 195 mm, in mA-Version 220 mm,
- 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, electrolyt

Ordering data:

Type: Chlorine sensor AS2 (up to 50°C)	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
AS2H-CL	0.005 ... approx. 2.00	0.001	0 ... -2000 mV 1 kΩ	±5 ... ± 15 V DC 10 mA	3326128
AS2N-CL	0.03 ... approx. 10.00	0.01			3326110
AS2H-CL-An	0.005 ... approx. 2.00	0.001	Modbus RTU	9 ... 30 V DC 20 ... 56 mA	3426750
AS2N-CL-An	0.03 ... approx. 10.00	0.01			3426751
AS2H-CL-M0c	0.005 ... approx. 2.00	0.001			3426770
AS2N-CL-M0c	0.03 ... approx. 10.00	0.01			3426771
AS2MA1-CL	0.03 ... approx. 1.00	0.01	4 ... 20 mA	12 ... 30 V DC Rl. 50Ω ... Rl. 900Ω	3326111
AS2MA2-CL	0.03 ... approx. 2.00	0.01			3326113
AS2MA5-CL	0.03 ... approx. 5.00	0.01			3326112
AS2MA10-CL	0.03 ... approx. 10.00	0.01			3326115
AS2MA20-CL	0.03 ... approx. 20.00	0.01			3326116
AS2MA1-CL-M12	0.03 ... approx. 1.00	0.01			3426790
AS2MA2-CL-M12	0.03 ... approx. 2.00	0.01			3426791
AS2MA5-CL-M12	0.03 ... approx. 5.00	0.01			3426792
AS2MA10-CL-M12	0.03 ... approx. 10.00	0.01			3426793
AS2MA20-CL-M12	0.03 ... approx. 20.00	0.01			3426794

Type: Chlorine sensor AS3 (up to 70°C)	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
AS3H-CL	0.005 ... approx. 2.00	0.001	0 ... -2000 mV 1 kΩ	±5 ... ± 15 V DC 10 mA	3326126
AS3N-CL	0.03 ... approx. 10.00	0.01			3326120
AS3H-CL-An	0.005 ... approx. 2.00	0.001			3426700
AS3N-CL-An	0.03 ... approx. 10.00	0.01			3426701
AS3H-CL-M0c	0.005 ... approx. 2.00	0.001	Modbus RTU	9 ... ± 30 V DC 20 ... 56 mA	3426720
AS3N-CL-M0c	0.03 ... approx. 10.00	0.01			3426721
AS3MA1-CL	0.03 ... approx. 1.00	0.01	4 ... 20 mA	12 ... 30 VDC R _L 50Ω ... R _L 900Ω	3326121
AS3MA2-CL	0.03 ... approx. 2.00	0.01			3326123
AS3MA5-CL	0.03 ... approx. 5.00	0.01			3326122
AS3MA10-CL	0.03 ... approx. 10.00	0.01			3326125
AS3MA20-CL	0.03 ... approx. 20.00	0.01			3326127
AS3MA1-CL-M12	0.03 ... approx. 1.00	0.01			3426740
AS3MA2-CL-M12	0.03 ... approx. 2.00	0.01			3426741
AS3MA5-CL-M12	0.03 ... approx. 5.00	0.01			3426742
AS3MA10-CL-M12	0.03 ... approx. 10.00	0.01			3426743
AS3MA20-CL-M12	0.03 ... approx. 20.00	0.01			3426744

Additional technical data:

Type: Chlorine sensor AS2 (bis 50°C)	Slope:	Connection:	Special characteristics:
AS2H-CL	-1000 mV/ppm	4-pole plug	Connection only to a controller with galvanically separated power supply.
AS2N-CL	-100 mV/ppm		
AS2H-CL-An	-1000 mV/ppm		
AS2N-CL-An	-100 mV/ppm		
AS2H-CL-M0c	Modbus RTU	M12 male	Connection only to a controller with galvanically separated power supply.
AS2N-CL-M0c			
AS2MA1-CL	16 mA/ppm	2-pole terminal	
AS2MA2-CL	8.0 mA/ppm		
AS2MA5-CL	3.2 mA/ppm		
AS2MA10-CL	1.6 mA/ppm		
AS2MA20-CL	0.8 mA/ppm		
AS2MA1-CL-M12	16 mA/ppm	M12 male	
AS2MA2-CL-M12	8.0 mA/ppm		
AS2MA5-CL-M12	3.2 mA/ppm		
AS2MA10-CL-M12	1.6 mA/ppm		
AS2MA20-CL-M12	0.8 mA/ppm		

Type: Chlorine sensor AS2 (bis 50°C)	Slope:	Connection:	Special characteristics:
AS3H-CL	-1000 mV/ppm	4-pole plug	Connection only to a controller with galvanically separated power supply.
AS3N-CL	-100 mV/ppm		
AS3H-CL-An	-1000 mV/ppm		
AS3N-CL-An	-100 mV/ppm		
AS3H-CL-M0c	Modbus RTU	M12 male	
AS3N-CL-M0c			
AS3MA1-CL	16 mA/ppm	2-pole terminal	Connection only to a controller with galvanically separated power supply.
AS3MA2-CL	8.0 mA/ppm		
AS3MA5-CL	3.2 mA/ppm		
AS3MA10-CL	1.6 mA/ppm		
AS3MA20-CL	0.8 mA/ppm		
AS3MA1-CL-M12	16 mA/ppm	M12 male	
AS3MA2-CL-M12	8.0 mA/ppm		
AS3MA5-CL-M12	3.2 mA/ppm		
AS3MA10-CL-M12	1.6 mA/ppm		
AS3MA20-CL-M12	0.8 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:
Sensor-simulator pH, redox, Cl	all sensors with mV signal	(10115)
mV-sensor-simulator	all sensors with mV signal	9026205
mA-sensor-simulator	all sensors with 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 for Calibration	all sensors	
Reagent for photometer	all sensors	