

### 1.1.1 DOSASens Chlorite Sensor MST1

Sensor for the measurement of chlorite. Membrane-covered, amperometric 3-electrode measuring system.



#### Product description:

- Measurand(s): Chlorite from acid/chlorite process, chlorine/chlorite-process chlorite/oxidant-process
- Calibration: at the controller, via analytical determination of chlorite
- Interferences: Mn<sup>2+</sup>, nitrite, Fe<sup>2+</sup>
- No cross-interference to chlorine dioxide, chlorine and chlorate
- pH range: 6 ... 9
- Pressure range: 0 ... 5 bar, without outgassing, no pressure surges and/or fluctuations
- Temperature range: 0 ... 40 °C (not any ice crystal in water)
- Integrated automatic temperature compensation
- Response time: T<sub>90</sub> approx. 1 min.
- 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 or Modbus RTU with M12 male
- Material: PVC, Peek, stainless steel 1.4571, membrane

#### Areas of application:

- Fresh water,

#### Scope of supply:

- **MST1:** sensor, membrane cap, electrolyte,

#### Ordering data:

Type:	Measuring range: ppm	Resolution: ppm	Output signal:	Power supply:	Item number:
MST1H-An	0.05 ... 2.000	0.001	0 ... -2000 mV (max. -2500 mV) 1 kΩ	9 ... 30 VDC approx. 20 ... 56 mA	3326420
MST1N-An		0.01			3326421
MST1H-M0c		0.001	Modbus RTU		3326410
MST1N-M0c		0.01			3326411

**Additional technical data:**

Type:	Slope:	Connection:	Special characteristics:
MST1H-An	-100 mV/ppm	4-pole plug	-
MST1N-An			
MST1H-M0c	Modbus RTU	M12 male	
MST1N-M0c			

**Spare parts:**

Spare part:	for sensor:	Item number:
Membrane cap M48.2	<b>MST1</b> (all types)	9026020
Electrolyte EMST1/Gel	<b>MST1</b> (all types)	9026053

**Accessories:**

Type:	for sensor:	Item number:
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	on request
mV-Simulator and mA-Tester	all sensors with mV-signal or mA-signal	21131105
Photometer for Calibration	all sensors	90231010