

Free chlorine sensor, without effect from pH changes

CS2.3



- For drinkable water monitoring
- Range: from 0.01 up to 10 ppm
- Output signal: 4-20 mA
- Pressure limit: 0.5 bar as a maximum
- Unnecessary zero adjustment

DESCRIPTION

Principle

Free chlorine measurement by amperometric method with a diaphragm cell of 3 electrodes; wasted sample. The probe includes a CTN sensor for the temperature compensation.

Mounting / Recommendations

The measuring at a constant flow rate requires the use of a specific cell (see data sheet 193-95). The complete assembly optimizes the operations.

Note: The water sample may not content surface-active additives.



Measuring cell
sensors holder

TECHNICAL FEATURES

Range:	0.01 to 10 ppm (<i>free chlorine</i>) <i>pH changes do not affect the measure within pH values 4 to 11</i>
Pressure limit:	0.5 bar as a maximum
Temperature limits:	From 1 to 45°C
Flow rate limits:	From 30 to 40 L/h (<i>see the data sheet 193-95</i>)
Power supply:	12 ... 30 V DC, [R _{max} = (U-7,5) / 20 kOhm]
Materials:	PVC-U, electro-polished AISI 316L
Dimensions:	∅ 25 mm, length 225 mm

CODE NUMBERS AND REFERENCES

Code	Reference	Range	Resolution	Output	Power
193 022	CS2.3.MA2	0.01 to 2 ppm	0.01 ppm	4-20 mA	12 ... 30 V DC
193 023	CS2.3.MA5	0.01 to 5 ppm			
193 024	CS2.3.MA10	0.01 to 10 ppm			

Replacement parts

Code	Reference	Designation
193 902	M48G	Sensor end with diaphragm for CS2.3 sensor
193 952	ECS 2.1/G	Electrolyte for CS2.3 sensor (100 mL flask)

Complete measuring system with assembly



BAMO MESURES

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