

# Free chlorine sensor, at constant pH CL4.1



- For process water
- Range: 0.5 to 200 ppm
- Output signal: 4-20 mA
- Pressure limit: 1 bar as a maximum
- Unnecessary zero adjustment

## DESCRIPTION

### Principle

Free chlorine measurement by amperometric method with a diaphragm cell of 2 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.

## CAUTION

The sample may not content surfactants and the pH must be lower than 8.

## TECHNICAL FEATURES

Range:	0.5 to 200 ppm ( <i>free chlorine</i> ) <i>Measuring signal depends of pH; regulation of pH is necessary.</i>
Operating pH range:	From 6 to 8 and regulated
Pressure limit:	1 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 <sub>max</sub> = (U-7,5) / 20 kOhm]
Materials:	PVC-U
Dimensions:	∅ 25 mm, length 225 mm



Measuring cell  
sensors holder

Complete measuring system with assembly



## CODE NUMBERS AND REFERENCES

Code	Reference	Range	Resolution	Output	Power
193 009	CL4.1.MA200	0.5 to 200 ppm	0.01 ppm	4-20 mA	12 ... 30 V DC

## Replacement parts

Code	Reference	Designation
193 901	M20	Sensor end with diaphragm for CL4.1 sensor
193 951	ECL 1/W	Electrolyte for CL4.1 sensor (100 mL flask)

# BAMO MESURES

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**CL4.1**

15-02-2016

193 I1 02 D

**CL**

**193-02/1**