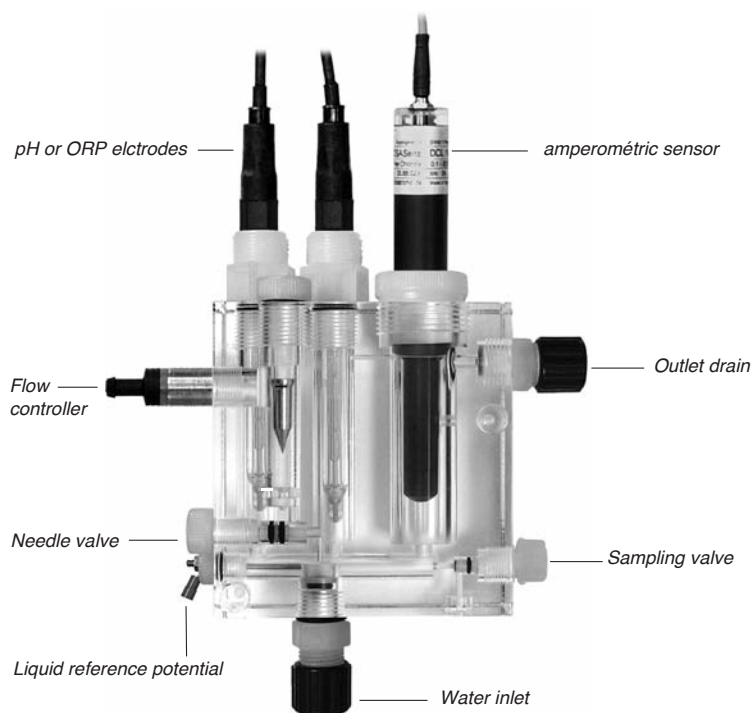


# AMPEROMETRIC SENSORS



Free chlorine  
Total chlorine  
Chlorine dioxide  
Hydrogen peroxide  
Peracetic acid

- Large measuring ranges
- Limits up to 70°C and 8 bar
- Unnecessary zero adjustment
- Reliable measuring signal
- Temperature compensation built-in
- Easy to use and to fit
- Long life electrodes
- Adaptation to existing systems
- Dedicated measuring cells for new systems
- Low maintenance cost
- Only one replacement part: the sensor end to screw on
- Monitoring: our BAMOPHOX 194 is dedicated for all these parameters
- Mounting: easy and comfortable with our complete assemblies



## BAMO MESURES

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## AMPEROMETRIC SENSORS

09-12-2010

193 I1 01 E

CL

193-01/1

## REFERENCES AND TECHNICAL FEATURES

Data sheet	Electrode reference	Parameter(s)	Measuring range	pH range	Max pressure	Max T°	Surfactants acceptance	Application(s)	Principle
193-02	CL4.1	Free chlorine at constant pH	0,5...200 ppm	4...7.4	1.0 bar	45 °C	No	Process water	Closed cell with diaphragm, 2 electrodes
193-04	CS 2.3	Free chlorine <i>No effect of pH</i>	0.01...10 ppm	4...11	0.5 bar	45 °C	No	Drinkable water	Closed cell with diaphragm, 3 electrodes
193-05	CP 2.1	Total chlorine <i>No effect of pH</i>	0.01...10 ppm	4...12	0.5 bar	45 °C	No	Drinkable water Swimming pools	Closed cell with diaphragm, 3 electrodes
193-06	CC 1	Free chlorine with isocyanuric acid in use. <i>No effect of pH</i>	0.01...10 ppm	4...12	0.5 bar	45 °C	Partially	Swimming pools	Closed cell with diaphragm, 3 electrodes
193-11	CD 7	Chlorine dioxide	0.01...10 ppm	1...12	1 bar	45 °C	Yes	Swimming pools Drinking water Cooling systems Process water	Closed cell with diaphragm, 3 electrodes
193-12	CCK	Free chlorine Chlorine dioxide	0.01...4 ppm	5...9	6 bar	70 °C	Yes	ECS Drinking water Process water	Opened cell, 3 electrodes <i>(No T° compensation)</i>
193-13	AS 2 AS 3	Free chlorine Chlorine dioxide	0.01...5 ppm	5...9	8 bar	50 °C 70 °C	Yes	ECS Drinking water Process water	Opened cell, 3 electrodes
193-25	WP 7	Hydrogen peroxide	0,001 to 100,000 g/L	2...11	1 bar	45 °C	Yes	Drinking water Cooling systems Waste water CIP	Closed cell with diaphragm, 2 electrodes
193-30	PES 7	Peracetic acid	0,001 to 20,00 g/L	2...11	1 bar	45 °C	Yes	CIP	Closed cell with diaphragm, 2 electrodes
193-32	P 9	Peracetic acid	0,001 to 20,0 g/L	1...7	1 bar	60 °C	Yes	CIP	Closed cell with diaphragm, 2 electrodes

Free chlorine:	$\text{Cl}_2 + \text{HClO} + \text{ClO}^-$
Total chlorine:	$\text{Cl}_2 + \text{ClO}^- + \text{HClO} + \text{NH}_2\text{Cl} + \text{NHCl}_2$
Isocyanuric acid:	$\text{C}_3\text{N}_3(\text{OH})_3$
Chlorine dioxide:	$\text{ClO}_2$
Hydrogen peroxide:	$\text{H}_2\text{O}_2$
Peracetic acid:	$\text{CH}_3\text{COOOH}$