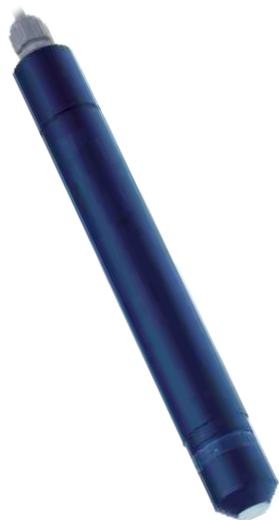


# CI 911

## Free Chlorine Probe



Measuring cell for free chlorine with replaceable membrane caps.

Measuring method	Amperometric
Measuring range	0~2 mg/l, 0~10 mg/l, 0~200 mg/l
Accuracy	± 1 % of full range
Response time	< 2 min
Operating pressure	max. 3 bar (constant; pressureless recommended)
Sample temperature	2~45 °C
Material	PVC, stainless steel 1.4571
Dimensions	220 mm × 25 mm
pH operating range	4-9

**Measuring range 2 mg/l product code 718 100**  
**Measuring range 10 mg/l product code 718 101**  
**Measuring range 200 mg/l product code 718 102**

- Short response time
- Minimum maintenance
- Temperature compensation
- No reagents required

### Method

The sensor head of the CI 911 contains a noble metal electrode covered by a gas-permeable membrane. During measurement chlorine in the sample passes through the membrane and reaches the electrode, where it is reduced in an electrochemical reaction. This reaction generates a current which is proportional to the concentration of chlorine in the sample.

A sufficient flow rate (minimum 15 cm/s) is required for the measurement. We recommend to use a flow cell (available accessory).

Measured parameter and interferences: The probe detects free chlorine from hypochlorite, gaseous chlorine or generated by electrolysis. The sample water must be free of surfactants. Chlorine dioxide and ozone are detected as well.

### Applications

Drinking water  
 Pool water  
 Process water  
 Cooling water  
 Chlorination of wastewater

**GIMAT GmbH Liquid Monitoring**  
**Obermühlstraße 70**  
**82398 Polling, Germany**  
**Phone +49 881 628 10**  
**Fax +49 881 628 15**  
**[www.gimat.de](http://www.gimat.de)**

