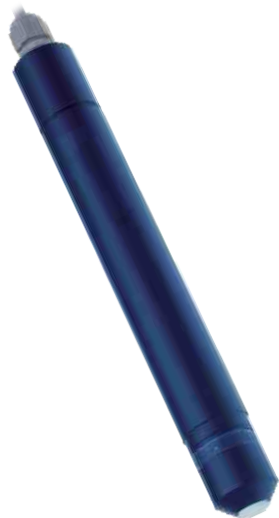


CI 911

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
Accuracy	± 1 % of full range
Response time	< 2 min
Operating pressure	max. 3 bar (constant; pressureless recommended)
Sample temperature	2~45 °C
Plug	Open cable
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

- 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