

WSCL1001 is a chlorine sensor that uses a three electrode configuration. This makes the sensor more accurate as compared to other sensors.

This works based on a half-cell reference principle. There is a working, counter and reference electrode. A membrane allows only chlorine forms to be consumed at the working electrode. A voltage is supplied between the counter and working electrode. The change in current is detected as the consumption of Chlorine occurs. The changes are compared to the constant (reference).

Applications

Continuous monitoring of Chlorine in industries such as

- Thermal power plant
- Running water
- Pharmaceutical
- Drinking water
- Water purification
- Industrial pure water
- Swimming pool
- Disinfection residual chlorine



Features

- 3 electrode system that maintains a stable electric potential.
- Able to detect temperature and chlorine values.
- Flow through holder for the sensor is optional.

Technical Specification

Specification	
Measuring range	Residual Chlorine: 0-20mg/l Resolution: 0.01mg/l Temperature: 0~99.9°C Resolution: 0.1°C
Accuracy	Chlorine: better than 0.01mg/l or ±1% Temperature: better than ±0.5°C for (0~50°C)
Min. detection	0.01mg/l
Stability	±0.01mg/l per 24 hr
Precision	±0.01mg/l
Working environment	Temperature: 0~60 °C
Electrodes	Platinum
Body material	Glass
Reference sensor	Gel with annular contacts
Working pressure	10 Bar at 20°C
Dimensions	12 x 110mm
Cable length	5 m (silver plated three-core cable)