

Aqua2000-TCL Total Chlorine Analyzer



Product overview

Aqua2000-TCL accurately measures the total amount of chlorine contained in the sample in real time and continuously by applying the reagent-free amperometric method. It can be used for water treatment monitoring, control, and recording. There is no waste liquid generated after measurement, and the sensor protected by a membrane can be used for a long period of time, more than 2 years. Chlorine dioxide contained in the sample may affect the measurement.

Applications

- Drinking Water (Tap/Rural)
- Reclaimed Water
- Disinfection Water
- Swimming Pool Water
- Wastewater
- Circulation Water
- Industrial Water
- Power Plants

Specification

Method	Reagentless Amperometric 3-electrode Sensor
Measurement Range	0~20 mg/L
Sample Temperature	0~45 °C (32~113 °F)
Flow Rate	0.2~0.6 L/min (0.05~0.15 gal/min) Optimal : 0.3 L/min (0.08 gal/min)
Pressure	< 0.5 bar
Polarization Time	< 120 min (Initial Commissioning) < 90 sec
Accuracy	±5.0 % < pH 8.5
Repeatability	±2.0 %
pH Range	5 ~ 9
Calibration	1point (sample) or 2point (zero and sample)
Storage Temperature	Electrode : -20~60 °C (-4~140 °F, without Electrolyte) Membrane Cap : -10~50 °C (-14~122 °F, Original Package) Gel Electrolyte : 5~50 °C (41~122 °F, Original Package)
Warranty/Maintenance	Electrode : 2 years Membrane/Electrolyte : < 6 months in clean water Calibration Interval : < 3 months in clean water

※ Warranty Exclusions : disasters, damage, loss