Chlorine, Free/Total: CL17 Analyzer

Dependable, colorimetric DPD free and total chlorine analysis.

EPA COMPLIANT

- *Provides unattended operation for up to 30 days.*
- *Leverages Hach's proprietary DPD formulation that minimizes interferences due to water hardness or minerals*
- *EPA compliant according to 40 CFR140.74*

Accurate Results

The Hach CL17 Chlorine Analyzer uses colorimetric DPD chemistry to monitor water continuously for free or total residual chlorine which is the same method (Standard Method 4500-Cl G) as used for grab samples. This analysis method is not affected by changes in sample pH, temperature, chlorine concentration (within the measurement range), pressure or flow, thus offering more accuracy than other methods in the market today.

Simple, Predictable Maintenance

Monthly routine maintenance for the CL17 can be performed in 15 minutes and includes changing reagents and cleaning the colorimetric cell. No special tools are required. Under typical use, the CL17 will operate unattended for 30 days.

Re-Calibration Not Necessary

Calibration of the CL17 with a chlorine standard or against a reference analysis is possible; however, it is neither necessary nor recommended due to its factory-established embedded calibration curve.

Primary Applications

- **Drinking Water**
- **Municipal Wastewater**
- **Pure Water/Power**
- **Industrial Water**

View the Groundwater Rule Compliance Video at: www.hach.com/videos

Analyzers include a one-month supply of reagents, installation and maintenance kits, and an instruction manual. Power cord must be ordered separately.

Prod. No.	Description
5440001	CL17 Free Residual Chlorine Analyzer
5440002	CL17 Total Residual Chlorine Analyzer

ACCESSORIES

5449000	Calibration Verification Kit
2556900	Reagent Set, Chlorine, Free
2557000	Reagent Set, Chlorine, Total

Prod. No.	Description
5444300	Maintenance Kit Contains reagent tubing, reagent caps and fittings to be replaced annually. Pump module tubing to be replaced at three to six-month intervals.
5444301	Maintenance Kit with pre-assembled tubing
5448800	Power cord kit with strain relief, 120 Vac
5448900	Power cord kit with strain relief, 240 Vac

For more information, call to request Literature #1626, or visit www.hach.com

Chlorine Analyzer Selection Guide

	CL17 Analyzer Colorimetric Method (Free / Total Chlorine)	CLF10 sc Analyzer Amperometric Method (Free Chlorine)	CLT10 sc Analyzer Amperometric Method (Total Chlorine)
Range	0-5 mg/L	0-10 mg/L	0-10 mg/L
Accuracy	±5% or 0.035 mg/L whichever is greater	±3% at a pH<7.2 (±0.2 pH unit)† ±10% at a pH<8.5:†	±10% at a pH<8.5:†
Limit of Detection (LOD)	35 ppb	25 ppb	25 ppb
Response Time	Batch analysis, 150 seconds	Continuous, T_{90} = 140 seconds	Continuous, T_{90} = 100 seconds
Reagent Replacement	Monthly	NA	NA
Membrane/Electrolyte Replacement	NA	3-6 months	3-6 months
Potential pH, Flow, Temperature Influence	No	Yes	Yes
Recognized Interferences	MnO_2	O_3, Chloramines	O_3, ClO_2
Appropriate Applications (Clean Water)	All static and dynamic applications‡	Static applications—final discharge and distribution system, dynamic applications—process control	Static applications—final discharge and distribution system, dynamic applications—process control

†*Of the reference test (DPD recommended).*
‡*Dynamic conditions include changing pH, flow, temperature and chlorine concentration.*

HACH® Be Right™

800-227-4224
Outside the United States, call 970-669-3050