



Be Right™



## CL17 Chlorine Analyzer (Instrument Only)

Product #: 5440000  
SGD Price: Contact Hach

### Dependable, colorimetric DPD free chlorine, total chlorine, and permanganate analysis

Dependable online analyzer for colorimetric DPD analysis of free chlorine, total chlorine, or permanganate in disinfection applications.

\*This product has not been evaluated to test for chlorine and chloramines in medical applications in the United States. For medical applications, please see the Hach CM130.

### EPA-approved Free or Total Chlorine Analysis

Hach's CL17 Chlorine Analyzer is compliant with US EPA Regulation 40 CFR 140.74, and both Method 4500-CL G and Method 334.0 can be used for measurement of residual chlorine in drinking water.

### Accurate, Reliable Results

The Hach CL17 is the industry standard for online chlorine monitoring. It comes factory-calibrated and does not require recalibration unless specified by your regulatory agency. The CL17 analysis method is not affected by changes in chlorine concentration, sample pH, temperature, flow, or pressure, resulting in better accuracy than other online chlorine testing methods.

### Simple, predictable maintenance

The CL17 can operate unattended for up to 30 days. Monthly preventative maintenance can be performed in 15 minutes or less and requires no special tools.

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## Specifications

Accessories:	Installation Kit
	Maintenance Kit
Accuracy:	± 5 % or ±0.03 mg/L (ppm) as $CL_2$ , whichever is greater. *For permanganate accuracy, please refer to permanganate application notes
Air purge:	0.1 cfm (0.17 m <sup>3</sup> /h) instrument quality air at max. 20 psig (ca. 1.4 bar) with 1/4-inch OD tube, quick disconnect fitting
Alarm:	Two alarms selectable for sample concentration alarm, analyzer system warning, or analyzer system shut-down alarm. Each is equipped with an SPDT relay with contacts rated for 5A resistive load at 230 V AC.
Certifications:	Europe, CE Approved with:  EN 61326-1  CISPR 11

EN 61010-1

IEC 60529

North America:

UL 61010A-1

CAN/CSA C22.2 No. 1010.1-92

Communication Capabilities:	4-20mA Output
Cycle Time:	2.5 min
Description :	CL17 Chlorine Analyzer (Instrument Only)
Dimensions (H x W x D):	454 mm x 314 mm x 179 mm
Display:	LCD, 3-1/2 inch digit measurement readout and six-character alphanumeric scrolling text line
Drain:	1/2-inch ID flexible hose, hose barb
Enclosure Construction:	ABS plastic, two clear polycarbonate windows, IP62-rated with the gasketed door latched.
Includes:	CL17 Chlorine Analyser, Maintenance kit, Installation Kit, and Manual. (The power cord is ordered separately.)
Inlet:	1/4-inch OD polyethylene tube, quick-disconnect fitting
Inlet Pressure:	1 - 5 psig (0.07 to 0.34 bar), 1.5 psi is optimum
Interferences:	Other oxidizing agents such as bromide, chlorine dioxide, permanganate and ozone will cause a positive interference. Hexavalent chromium will cause a positive interference: 1 mg/L Cr <sup>6+</sup> = approximately 0.02 mg/L as Cl <sub>2</sub> . Hardness must not exceed 1,000 mg/L as CaCO <sub>3</sub> .
Light source:	Class 1 LED (light emitting diode) with a peak wavelength of 520 nm; 50,000 hours estimated minimum life
Lower Limit of Detection (LOD):	0.03 mg/L (ppm)
Mounting:	Wall mount
Operating Humidity:	Up to 90 % at 40 °C (104 °F) maximum
Operating temperature range:	5 - 40 °C (41 - 104 °F)
Parameter:	Chlorine, Free & Total
Pressure Range:	Inlet Pressure to Sample Conditioning: 1.5 - 75 psi (0.1 - 5.2 bar)
Range:	0 - 5 mg/L Cl <sub>2</sub>
Recorder Outputs:	One 0/4-20 mA with an output span programmable over any portion of the 0 to 5 mg/L range. Recommended load impedance 3.6 to 500 ohms, 130 V isolation from earth ground.
Region:	EU
Repeatability:	0.01 ppm or 3.0 % , whichever is greater
Sample Flow Rate:	200 - 500 mL per minute minimum
Sample Temperature:	5 - 40 °C (41 - 104 °F)
Weight:	10.49 kg

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## What's in the box?

CL17 Chlorine Analyser, Maintenance kit, Installation Kit, and Manual. (The power cord is ordered separately.)