

COAGULANT CHARGE ANALYZER MODEL CCA3100



BENEFITS

Optimize Water Treatment

- **Rapidly Verify (and Quantify) Optimum Coagulant(s) Dose--Off Line**
- **Compare Coagulant/Polymer Activity**
- **Confirm Operation of On-Line SCM**

STANDARD FEATURES

- **High Conductivity Gain Adjustment**
- **Quick Installation of Replacement Probe Cartridge**
- **Easy To Operate and Maintain**
- **Rugged Design**
- **Adjustable Stand Accommodates 250ml to 2000ml Samples**

APPLICATIONS

WATER TREATMENT PROCESSES

DESCRIPTION OF OPERATION

Using a simple titration, the Coagulant Charge Analyzer CCA 3100 helps operators determine the optimum coagulant dose faster and more accurately than jar tests (five minutes or less). The CCA 3100 also enables operators to verify activity and "Q.C." incoming shipments of coagulants. The CCA is simple to use and provides repeatable results.

Portable / Laboratory Charge Analyzer

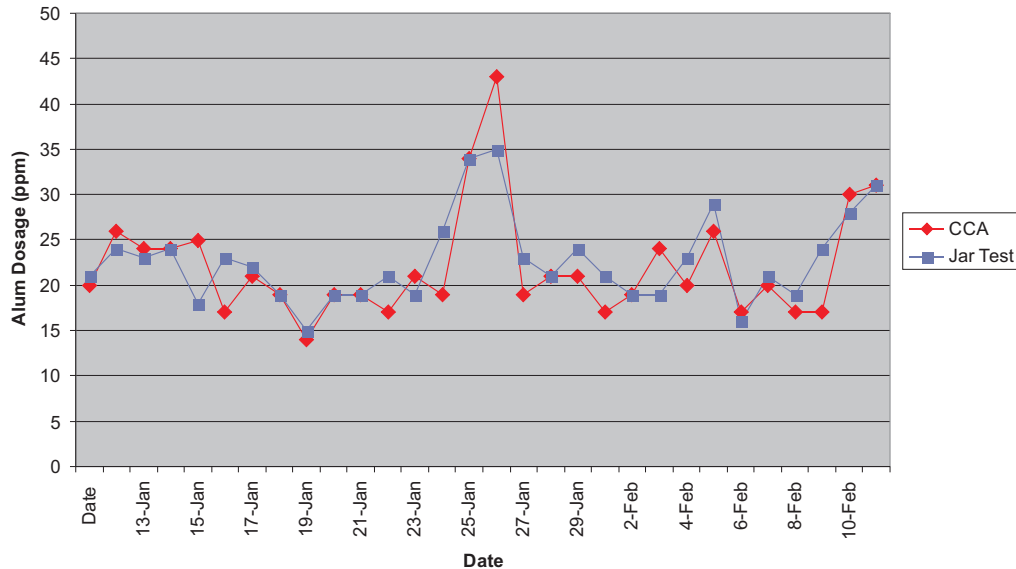
6991 Peachtree Industrial
Boulevard, Building 600
Norcross, GA 30092
USA

PH: 770.449.6233
US: 800.442.8722
FX: 770.447.0889
www.chemtrac.com

Measurement Principle: Streaming Current

The measurement cell consists of a reciprocating piston in a probe assembly. The movement of liquid between two stainless steel electrodes creates a voltage signal indicating net charge of the sample. This signal is displayed in a range of -10.00 to + 10.00. When the desired plant results are obtained, this number is defined as the optimum charge value.

Actual 30 Day Coagulant Dose Comparison
at a Municipal Water Plant



Each Jar Test Data Point Took Around 30 Minutes & Each
CCA Data Point Took Less Than 5 Minutes.

Specifications

Display	-10.00 to +10.00
Probe Type	Immersion
Materials Contacting Sample	Delrin, Stainless Steel
Sample Volume	250 ml - 2000 ml
Self Diagnostics	Flashing LED
Power	110 VAC 60 hz, 220 VAC 50hz, optional
Dimensions	8" W x 8"D x 21"H
Weight	14 lbs.