

Cole-Parmer® Chloride Analyzer

Save time—faster and more accurate salt determination

- Results in just 72 seconds
- Ensure quality with easily repeatable measurements and calibrations in mg/L and mmol/L
- Download and analyze data via RS-232 PC connection



The system is ideal for use in the food, pharmaceutical, agricultural, and petroleum industries. The system utilizes a method based on coulometric titration—an absolute method where the reagent, silver ions, is precisely and quantitatively generated at time of analysis by passing a constant current between electrodes. The end point is detected by the use of sensing electrodes which measure the change in the solution conductivity that occurs when excess silver ions are present in the solution. Unlike a conductivity meter, this analyzer actually titrates chloride with silver as in official methods.

What's included: printer cable, RS-232 port, acid buffer reagent (500 mL), 200 mg/L chloride standard (100 mL), one set of electrodes, three anodes, two 14-mL marked beakers, electrode cleaning polish, stirrer, and 6-ft (1.8-m) power cord with US plug.

Specifications

Range: 10 to 999 mg/L chloride, 2 to 165 mg% salt

Resolution: 1 mg/L chloride

Accuracy: ±3 mg/L at the 200 mg/L level

Sample size: 500 µL

Measurement time: 36 seconds to reach 100 mg/L

Output: RS-232

Reproducibility: CV < 1% for 20 replicate samples at 200 mg/L (excluding pipetting errors)



Description	Power	Catalog number	Price
Chloride analyzer	120 VAC, 50/60 Hz	GY-02656-20	

Accessories

[GY-02656-30](#) Acid buffer reagent, 500-mL bottle

[GY-02656-32](#) Silver electrodes; two detecting electrodes, one cathode

[GY-02656-34](#) Silver electrodes, anode. Pack of 3

[GY-02656-39](#) Chloride standard, traceable to NIST standards. One 100-mL bottle

Powder Pack and Tube Test Reagents

Stop measuring out reagents

These powder packs contain pre-measured unit dose reagents suitable for use with Orbeco-Hellige, Thermo Scientific™, and Hach® instrumentation/test kits. Reagents for chlorine are DPD chemistry.

Some parameters require multiple reagents and are bundled into a “Reagent set”, which can include powder packs, tube tests, or both.



Test kit parameter	Reagent set description	Range (mg/L)	Tests/kit	Cat. no.	Price
Chlorine, free (DPD)	Reagent powder pack, 5-mL sample	0 to 3.5t	100	GY-99560-52	
			1000	GY-99560-53	
Chlorine, free (DPD)	Reagent powder pack, 10-mL sample	0 to 2.00	100	GY-99560-54	
			1000	GY-99560-55	
Chlorine, free (DPD)	Reagent powder pack, 25-mL sample	0 to 5.00	100	GY-99560-56	
			1000	GY-99560-57	
Chlorine, total (DPD)	Reagent powder pack, 10-mL sample	0 to 2.00	100	GY-99560-58	
			1000	GY-99560-59	
Chlorine, total (DPD)	Reagent powder pack, 25-mL sample	0 to 5.00	100	GY-99560-60	
			1000	GY-99560-61	
Copper	Reagent powder pack, 10-mL sample	0 to 5	100	GY-99560-62	
Iron, TPTZ	Reagent powder pack, 10-mL sample	0 to 1.8	100	GY-99560-63	
Iron, ferro	Reagent powder pack, 10-mL sample	0 to 3	100	GY-99560-64	
Manganese (low range)	Powder pack reagent set, 10-mL sample	0 to 0.7	100	GY-99560-65	
Manganese (high range)	Powder pack reagent set, 10-mL sample	0 to 20	100	GY-99560-66	
Molybdate (high range)	Powder pack reagent set, 10-mL sample	0 to 20	100	GY-99560-67	
Molybdate (high range)	Powder pack reagent set, 25-mL sample	0 to 20	100	GY-99560-68	
Nitrate	Tube test reagent set	0 to 30	50	GY-99560-69	
Nitrite (low range)	Powder pack, 25-mL sample	0 to 0.3	100	GY-99560-70	
Nitrite (low range)	Powder pack, 10-mL sample	0 to 0.3	100	GY-99560-71	
Nitrogen, ammonia (low range)	Reagent set	0 to 2.5	50	GY-99560-72	
Nitrogen, ammonia (high range)	Reagent set	0 to 50	50	GY-99560-73	
Nitrogen, total (low range)	Reagent set	0 to 25	50	GY-99560-75	
Nitrogen, total (high range)	Reagent set	0 to 150	50	GY-99560-76	
Phosphate (orthophosphate)	Powder pack reagent set, 10-mL sample	0.02 to 1.6 P, 0.06 to 5 PO ₄	100	GY-99560-77	
Phosphorous, reactive (orthophosphate)	Reagent set	0.06 to 5 mg/L	50	GY-99560-78	
Phosphorous, total	Reagent set	0.02 to 1.1 P, 0.06 to 3.5 PO ₄	25	GY-99560-79	
Phosphate, acid hydrolyzable	Reagent set	0.02 to 1.6 P, 0.06 to 5 PO ₄	50	GY-99560-80	
Sulfate	Reagent powder pack, 25-mL sample	0 to 70	100	GY-99560-81	
Sulfate	Reagent powder pack, 10-mL sample	0 to 70	100	GY-99560-82	