

## C 212 - A Comprehensive Meter for Power Plants



Ammonia levels are often tested in boiler feedwater and industrial waste.

Chlorine is used to sanitize cooling towers and industrial equipment.

Copper is often added to water to hinder growth of plankton and algae.

Hydrazine has bactericidal properties and scavenges oxygen.

Molybdenum is used as a corrosion inhibitor in cooling towers while phosphate can enter water streams due to boiler blowdowns and is added to reduce scaling.

Silica, on the other hand, can be a major source of scaling while silver is a toxic pollutant and needs to be monitored in effluents.

These and other critical factors in power plants can now be measured with the **HANNA** instruments® **HI 83212** bench meter. To keep a tab on all these variables with just one meter, simply use the **HI 83212** multi-parameter photometer.



### Specifications

<b>Light Source</b>	4 tungsten lamps with narrow band interference filter 420/525/575/610 nm
<b>Light Detector</b>	4 Silicon Photocells
<b>Power Supply</b>	2 x 9V battery or 12 Vdc adapter
<b>Auto-off</b>	after 10 minutes of non-use
<b>Environment</b>	0 to 50°C (32 to 122°F); RH max 95% non-condensing
<b>Dimensions / Weight</b>	230 x 165 x 70 mm / 640 g

### Ordering Information

HI 83212 is supplied complete with 2 cuvetts, batteries, 12 Vdc adapter and instructions.

Test	Range	Method	Reagent Code
Ammonia LR	0.00 to 3.00 mg/L	Nessler	HI 93700-01
Ammonia MR	0.00 to 10.00 mg/L	Nessler	HI 93715-01
Chlorine*, Free	0.00 to 2.50 mg/L	DPD	HI 93701-01
Chlorine*, Total	0.00 to 3.50 mg/L	DPD	HI 93711-01
Copper HR	0.00 to 5.00 mg/L	Bicinchoninate	HI 93702-01
Copper LR	0 to 1000 µg/L	Bicinchoninate	HI 95747-01
Hydrazine	0 to 400 µg/L	p-Dimethylaminobenzaldehyde	HI 93704-01
Molybdenum	0.0 to 40.0 mg/L	Mercaptoacetic Acid	HI 93730-01
Phosphate HR	0.0 to 30.0 mg/L	Amino Acid	HI 93717-01
Phosphate LR	0.00 to 2.50 mg/L	Ascorbic Acid	HI 93713-01
Phosphorus	0.0 to 15.0 mg/L	Amino Acid	HI 93706-01
Silica	0.00 to 2.00 mg/L	Heteropoly blue	HI 95705-01
Silver	0.000 to 1.000 mg/L	PAN	HI 93737-01**

\* For Chlorine, liquid reagents are available, see section V.

\*\* Reagents for 50 tests

All reagents with -01 final code are for 100 tests.  
For a comprehensive list of accessories and reagents, see sections U and V