

HI 83203

Multiparameter Photometer

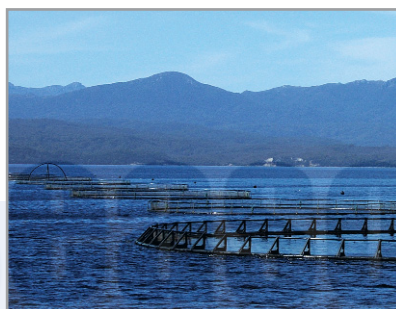
for Aquaculture

ADP
Application Designed Photometers



It helps
to
be specific!

Water quality is the beginning and the end of fish health. Barely detectable levels of contaminants can accumulate in your livestock's bodies, making them more vulnerable to disease and stress. Vital trace elements often need to be maintained at levels too low for chemical kits to accurately detect. Keep fish, plants, and invertebrates healthy and happy by frequently testing with HANNA's line of ion specific photometers. We make one for just about every possible analysis, from bromine to iodine to dissolved oxygen and more.



Measure Crucial Aquaculture Parameters

With the ever increasing depletion of fish stocks in the open seas, aquaculture has gained prominence and can prove essential to our future dietary needs. Monitoring and controlling parameters such as the oxygen level as well as pH and nitrate content in water is vital in ensuring profitable fish production.

Accurate control can prevent disease, increase production and even reduce the premiums on crop insurance. Research personnel, fish farm operators and wildlife specialists now have one compact and easy-to-use meter to keep a close tab on the most important parameters in aquaculture.

Simply take a sample of water and place it in the unit to be zeroed. Add reagents to it and place it back in the HI 83203. The meter will then show you the relevant value in mg/L or µg/L in clear digits on a large LCD. No need to match colors, calibrate probes or change membranes. HI 83203 saves time so that you may get on with more rewarding tasks, such as producing more fish!

TEST	RANGE	METHOD	REAGENTS
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
Nitrate	0.0 to 30.0 mg/L	Cadmium Reduction	HI 93728-01
Nitrite HR	0 to 150 mg/L	Ferrous Sulfate	HI 93708-01
Nitrite LR	0.00 to 0.35 mg/L	Diazotization	HI 93707-01
Oxygen, Dissolved (DO)	0.0 to 10.0 mg/L	Winkler	HI 93732-01
pH	6.5 to 8.5 pH	Phenol Red	HI 93710-01
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

* For Chlorine measurements, liquid reagents are available

All reagents with -01 final code are for 100 tests.

SPECIFICATIONS

Light Source	4 tungsten lamps with narrow band interference filters at 420/525/575/610 nm
Light Detector	4 Silicon Photocells
Power Supply	(2) 9V battery or 12 Vdc adapter
Auto-off	after 10 minutes of non-use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	230x165x70 mm (9x6.5x2.8")
Weight	640 g (22.6 oz.)

ORDERING INFORMATION

HI 83203-01 (115V) and **HI 83203-02** (230V) is supplied with cuvetts (2), bottle for DO test, batteries, 12 Vdc adapter and instructions.