

C 218 - Environmental Analysis Photometer



HI 83218 combines all the necessary tests for environmental analysis in one bench meter. HI 83218 works with 9V batteries or a 12 Vdc power adapter.

The compact HI 83218 is ideal for laboratories as well as for quick results in the field. The HI 83218 is designed to be simple to use and offer high precision measurements at a low cost per test. This multi-parameter photometer provides for the analysis of six important environmental parameters in nine ranges. Measured parameters include ammonia, chromium VI, cyanide, nitrate, nitrite and phosphorous. In order to improve resolution and cover a wider range, there are dual scales for ammonia, chromium and nitrite.

To perform a measurement simply insert a cuvet containing the water to be measured and press the ZERO button. Next add the appropriate reagent and press the READ button. The concentration is displayed directly in mg/L in seconds on the large LCD!



Specifications

Light Source	4 tungsten lamps with narrow band interference filter 420/525/575/610 nm
Light Detector	4 Silicon Photocells
Power Supply	2 x 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/Weight	230 x 165 x 70 mm / 640 g

Ordering Information

HI 83218 is supplied complete with 2 cuvetts, batteries, 12 Vdc adapter and instructions.

Test	Range	Method	Reagents
Ammonia HR	0.0 to 50.0 mg/L	Nessler	HI 93733-01
Ammonia MR	0.00 to 10.00 mg/L	Nessler	HI 93715-01
Chromium VI HR	0 to 1000 µg/L	Diphenylcarbohydrazide	HI 93723-01
Chromium VI LR	0 to 300 µg/L	Diphenylcarbohydrazide	HI 93749-01
Cyanide	0.000 to 0.200 mg/L	Pyridine-Pyrazalone	HI 93714-01
Nitrate	0.0 to 30.0 mg/L	Cadmium Reduction	HI 93728-01
Nitrite HR	0 to 150 mg/L	Ferrous Sulphate	HI 93708-01
Nitrite LR	0.00 to 0.35 mg/L	Diazotization	HI 93707-01
Phosphorus	0.0 to 15.0 mg/L	Amino Acid	HI 93706-01

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