

Ion specific colorimeters and test kits

A selection of instruments for measurement of specific ions in the field

Applications

- Environmental water quality measurements of:
 - Ammonia
 - Turbidity
 - Alkalinity

Features

- Simple to use
- Low maintenance
- Carrying case and reagents included
- Calibration check system (HI-95715)
- Automatic shut-off



HI-93733
Ammonia (High range)
0.00 to 50.00 mg/L



HI-95715 (with cal check)
Ammonia (Mid range)
0.00 to 9.99 mg/L



HI-93703
Turbidity meter
0.00 to 50.00 FTU or
50 to 1000 FTU



HI-3811
Alkalinity test kit
0 to 100 mg/L (ppm) CaCO₃
0 to 300 mg/L (ppm) CaCO₃



Each meter is supplied in a tough carrying case, complete with cable, batteries, solutions / reagents (where applicable) and full user's instructions.

Ion specific colorimeters



Specifications

Model Number	HI-93733 Ammonia (High Range)	HI-95715 Ammonia (Mid Range)	HI-93703 Turbidity
Range	0.0 to 50.0 mg/L	0.00 to 9.99 mg/L (as NH ₃ -N)	0.00 to 50.00 FTU* 50 to 1000 FTU*
Resolution	0.1 mg/L	0.01 mg/L for measurement 0.1 for calibration and validation	0.01 and 1 FTU*
Accuracy	±0.5 mg/L ±5% of reading	±0.12 mg/L @ 6.00 mg/L	±0.5 FTU* or ±5% of reading (whichever is greater)
Typical EMC deviation	±0.1 mg/L	±0.01 mg/L	±2% FS
Calibration	-	-	3 point (0, 10 and 500 FTU*)
Light source	LED @ 470 nm	LED with narrow band interference filter @ 466 nm	Infrared LED
Light detector	Silicon photocell	Silicon photocell	Silicon photocell
Environment	0 to 50°C max; 95% RH non-condensing	0 to 50°C; max. 95% RH non-condensing	0 to 50°C; max. 95% RH non-condensing
Battery type/life	1 x 9 Volt / 40 hours	1 x 9 Volt	4 x 1.5 AA alkaline/ Approx 60 hours
Auto shut off	After 10 minutes of non-use	After 10 mins of non-use in measurement mode After 1 hour of non-use in calibration mode	After 5 minutes of non-use
Dimensions (mm)	180 x 83 x 46	180 x 83 x 46	220 x 82 x 66
Weight	290 g	290 g	510 g

* 1 FTU = 1 NTU

Ordering information

Ammonia High Range Colorimeter

Ammonia High Range Colorimeter

HI-93733	Ammonia specific ion meter, high range (0 to 50 mg/l)
HI-93733-01	Ammonia reagent kit, high range (100 tests)
HI-93733-03	Ammonia reagent kit, high range (300 tests)

Accessories for Ammonia High-Range Colorimeter

HI-93703-50	Cleaning Solution for Glass Cuvets - 230ml
HI-731321	Cuvets (Glass) - 10ml (set of 4)
HI-731325	Cuvet caps for HI731321 (set of 4)

Ammonia Mid Range Colorimeter

Ammonia Mid Range Colorimeter and Reagents

HI-95715C	Ammonia Monitoring Kit, mid range (0 to 9.99 mg/l) inc cuvetts and check standards
HI-95715	Ammonia Monitoring Kit, mid range (0 to 9.99 mg/l) inc 2 cuvetts
HI-95715-11	Ammonia Calibration Standard Set (1x 0 mg/l; 1 x 15 mg/l)
HI-93715-01	Ammonia reagent kit, mid range (100 tests)
HI-93715-03	Ammonia reagent kit, mid range (300 tests)

Accessories for Ammonia Mid-Range Colorimeter

HI-93703-50	Cleaning Solution for Glass Cuvets - 230ml
HI-731331	Cuvets (Glass) (large - set of 4)
HI-731335	Cuvet Caps for HI-731331 (set of 4)

Turbidity Colorimeter

Turbidity Meter and Accessories

HI-93703C	Turbidity meter, 0/10FTU standards, 4 cuvetts, attache case.
HI-93703-0	Turbidity solution (Zero FTU/NTU)
HI-93703-05	Turbidity solution (50 FTU/NTU)
HI-93703-10	Turbidity solution (10 FTU/NTU)

Accessories

HI-93703-50	Cleaning Solution for Glass Cuvets - 230ml
HI-731321	Cuvets (Glass) - 10ml (set of 4)
HI-731325	Cuvet caps for HI731321 (set of 4)

Alkalinity Test Kit

Test Kit and Accessories

HI-3811	Alkalinity test kit (inc reagent for 100 tests)
HI-3811-100	Alkalinity test kit - Spare Reagents (100)

Alkalinity test kit Specifications

Model Number	HI-3811
Range	0.0 to 100 mg/L (ppm) CaCO ₃ 0.0 to 300 mg/L (ppm) CaCO ₃
Smallest increment	1 mg/L (in the 0-100 mg/L range) 3 mg/L (in the 0-300 mg/L range)
Analysis method	Acid titration using phenolphthalein and bromophenol blue
Sample size	5 mL and 15 mL
Number of tests	110 (average)
Case dimensions	200 x 120 x 60
Weight	460 g



Cuvet cleaning solution



Ammonia reagent kit



Cal check standard



Measuring cuvetts



Cuvet caps

