

HI96700 • HI96715 • HI96733 Ammonia Portable Photometers

- **CAL Check™**
 - Enables users to check validity of calibration
- **BEPS**
 - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
 - Meets Good Laboratory Practices

The HI96700 and HI96715 meters measure the ammonia-nitrogen (NH₃-N) content in water samples. The HI96733 measures the ammonium ion (NH₄⁺) content in water, wastewater and seawater.

These meters use an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

Ammonia is often an excellent indication of the presence of animal or plant microbiological decay. It is tested in fresh water fish farms due to its toxic nature. Its presence in rivers and reservoirs normally points to agricultural and/or civil pollutants. Ammonia is tested in lakes, rivers, potable water, boiler feed water, industrial and municipal waste water.



Specifications	HI96700 Ammonia LR	HI96715 Ammonia MR	HI96733 Ammonia HR
Range	0.00 to 3.00 mg/L (ppm) (as NH ₃ -N)	0.00 to 9.99 mg/L (ppm) (as NH ₃ -N)	0.0 to 50.0 mg/L (ppm) (as NH ₄ ⁺)
Resolution	0.01 mg/L	0.01 mg/L	0.01 mg/L
Accuracy @ 25°C (77°F)	±0.04 mg/L ±4% of reading	±0.05 mg/L ±5% of reading	±0.5 mg/L ±5% of reading
Light Source	tungsten lamp	light emitting diode	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 420 nm	silicon photocell with narrow band interference filter @ 466	silicon photocell with narrow band interference filter @ 420 nm
Power Supply	9V battery		
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder		
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing		
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")		
Weight	360g (12.7 oz.)		
Method	adaptation of the ASTM Manual of Water and Environmental Technology, D1426-93, Nessler method		
Ordering Information	<p>HI96700, HI96715 and HI96733 are supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual. CAL Check™ standards and testing reagents sold separately</p> <p>HI96700C, HI96715C and HI96733C include photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case. Reagents sold separately</p>		
Reagents and Standards	HI96700 HI96715 HI96733	HI96700-11 HI93700-01 HI93700-03 HI96715-11 HI93715-01 HI93715-03 HI96733-11 HI93733-01 HI93733-03	CAL Check™ standard cuvettes reagents for 100 tests (N-NH ₃ LR) reagents for 300 tests (N-NH ₃ LR) CAL Check™ standard cuvettes reagents for 100 tests (N-NH ₃ MR) reagents for 300 tests (N-NH ₃ MR) CAL Check™ standard cuvettes reagents for 100 tests (NH ₄ ⁺ HR) reagents for 300 tests (NH ₄ ⁺ HR)

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71