

HI 96715

# Ammonia, Medium Range Photometer

Water Resistant and CAL CHECK™



## Easy to Use, Accurate Ammonia Measurements

Ammonia is naturally present in water, it is the product of the microbiological protein decay of animals and plants. High ammonia concentrations in surface waters indicate domestic pollution. Moreover, ammonia and its compounds are used as fertilizers.

The HI 96715 meter measures the ammonia nitrogen (NH<sub>3</sub>-N) content in water samples in the 0.00 to 9.99 mg/L (ppm) range. The method is an adaptation from ASTM Manual of Water and Environmental Technology, D1426-93, Nessler Method.

HI 96715 has the advanced optical system based on a special tungsten lamp and a narrow band interference filter that allows more accurate and repeatable readings. The instrument is factory calibrated and the electronic and optical design minimizes the need for frequent calibration.

With the powerful CAL CHECK™ validation function, users are able to validate performance of the instrument at any time. The validation procedure is extremely user friendly. Just use the exclusive HANNA ready-made, NIST traceable standards to verify the performance of the instrument and recalibrate if necessary.

The instrument is water resistant and the LED and filter units are protected from dust or dirt by a transparent cup. This makes the instrument ideal for field applications. Display messages aid the user in routine operation. The meter has an auto-shut off feature that will turn off the instrument after 10 minutes of non use in measurement mode or after 1 hour if left in calibration mode.

The meter also uses an exclusive positive-locking system to ensure that the cuvet is in the same position every time it is placed into the measurement cell. It is designed to fit a cuvet with a larger opening making it easier to add both sample and reagents. The cuvet is made from special optical glass to obtain best results.

The HI 96715 reagents are in liquid form and are supplied in bottles. Just invert and count 4 drops from each bottle. The amount of reagent is precisely dosed to ensure the maximum repeatability.

### SPECIFICATIONS

### HI 96715

Range	0.00 to 9.99 mg/L (as NH <sub>3</sub> -N)
Resolution	0.01 mg/L for measurement; 0.1 mg/L for Calibration and validation
Precision	±0.12 mg/L @ 6.00 mg/L
Light Source	LED (Light Emitting Diode)
Light Detector	Silicon Photocell with narrow band interference filter @ 466 nm
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	(1) 9V battery
Auto-off	After 10 minutes of non-use in measuring mode After 1 hour of non-use in calibration mode with last reading reminder
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")
Weight	290 g (10 oz.)
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426-93, Nessler



## Available as a KIT

Just choose the "C" version

HI 96715C kit version shown.

### ORDERING INFORMATION

**HI 96715** is supplied with (2) sample cuvetts with caps, 9V battery and instruction manual.

**HI 96715C** is supplied with CAL CHECK™ standard cuvetts, (2) sample cuvetts with caps, 9V battery, cuvet cleaning cloth and instruction manual in a hard carrying case.

### REAGENTS AND STANDARDS

**HI 95715-11** CAL CHECK™ Standard Cuvetts (1 set)

**HI 93715-01** Reagents for 100 tests

**HI 93715-03** Reagents for 300 tests

### SOLUTIONS

**HI 93703-50** Cuvet cleaning solution, 250 mL

### ACCESSORIES

**HI 740029P** 9V Batteries (10)

**HI 721310** 9V Batteries (100)

**HI 731318** Cuvet cleaning cloth (4)

**HI 731331** Measuring cuvetts (4)

**HI 731335** Cuvet caps (4)