



HI 93733

Ammonia Photometer with 470 nm LED

Ammonia is often an excellent indication of the presence of animal or plant microbiological decay. It is tested in fish farms (fresh and salt water tanks) due to the damaging effects of its toxic nature. Its presence in rivers and reservoirs normally points to agricultural and/or civil pollutants. Ammonia is tested in lakes, rivers, portable water, boiler feed water, sewage, industrial and waste water. Ion Selective electrodes currently used for these measurements require up to 5 minutes for a stable response time, normally last only 3 to 6 months. On the other hand, 3 or 4 Chemical Test Kits using color cubes are needed to cover the full range. The best increment with chemical test kits is never better than 0.1 mg/L and in most cases, only 0.5 mg/L.

HANNA® offers three instruments for low, medium and high concentrations: HI 93700 with a range of 0.00 to 3.00 mg/L, HI 93715 from 0.00 to 9.99 mg/L and HI 93733 measuring from 0.0 to 50.0 mg/L for applications with higher concentrations.

Range	0.0 to 50.0 mg/L
Resolution	0.1 mg/L
Accuracy	±0.5 mg/L ±5% of reading
Light Source	LED 470 nm
Light Life	Life of the instrument
Light Detection	Silicon Photocell
Battery Type / Life	1 x 9V / approx. 40 hours of continuous use; auto-off after 10 minutes of non use
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)
Method	Adaptation of the ASTM Manual of Water and Environmental Technology, D1426-92, Nessler Method. The reaction between ammonia and reagents causes a yellow tint in the sample