



Shown with optional rubber boot

Nitrate

- Quick and reliable results
- Cadmium reduction method for measuring nitrates
- 300 tests with only one battery

Nitrates are present in nature as a result of the decomposition of organic microorganisms or due to their use as fertilizers. Nitrates reduce to nitrites, which in turn easily combine to form substances dangerous to man. A maximum level of 45 mg/L is established as a worldwide guideline for nitrate concentration in water. In Europe, the maximum consented level of nitrates in potable water is 50.0 mg/L, while in the USA the EPA has established a guideline for the maximum level of nitrate nitrogen of 10 mg/L ($\text{NO}_3\text{-N}$), which corresponds to 45.0 mg/L of nitrates. The HANNA instruments® solutions are HI 93728 and HI 93828, hand held meters suited for field measurement. Reading procedures have been made as simple as possible to allow everyone to perform accurate nitrate measurement. The kits provide you with all you need for field measurement: photometer, reagents and apparatus perfectly fitted in a rugged carrying case. HI 93728 reads nitrogen nitrate from 0 to 30 mg/L ($\text{NO}_3\text{-N}$); multiply the readout by a factor of 4.43 and you can read up to 133 mg/L of nitrate (NO). HI 93828 reads nitrate directly in mg/L of NO_3 , from 0 to 100 mg/L. With a normal 9V battery you will be able to get more than 300 measurements. The auto shut-off feature (after 10 minutes of non-use) guarantees a long battery life.

HI 93728 is supplied complete with 2 cuvetts, battery and instructions. HI 93728C, kit includes HI 93728, hard carrying case and reagents. HI 93828 is supplied complete with 2 cuvetts, battery and instructions. HI 93828C, kit includes HI 93828, hard carrying case and reagents.

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Available Accessories:

- HI 710009 Blue rubber boot
- HI 710010 Orange rubber boot
- HI 731318 Tissue for wiping cuvetts (4 pcs)
- HI 93703-50 Cuvet cleaning solution (230 mL)
- HI 731321 Spare measurement cuvetts (4 pcs)
- HI 731325 Cuvet cap (4 pcs)
- HI 93728-01 Reagent kit for 100 tests
- HI 93728-03 Reagent kit for 300 tests

Specifications:

Range	0.0 to 30.0 mg/L; 0 to 100 mg/L (NO_3 3)
Resolution	0.1 mg/L; 1 mg/L
Accuracy (@20°C/68°F)	±0.5 mg/L ±10% reading; ±5 mg/L ±5% of reading
Typical EMC Deviation	±0.1 mg/L
Light Source	Light Emitting Diode @ 555 nm
Light Life	Life of the instrument
Light Detector	Silicon photocell
Battery Type / Life	1 x 9V/ approximately 40 hours of continuous use
Environment	0 to 50°C (32 to 122°F); RH 95%
Dimensions	180 x 83 x 46 mm (7.1 x 3.3 x 1.8")
Weight	290 g (10 oz.)