

HI 93704

Hydrazine



Hydrazine Meter

Hydrazine is a liquid chemical substance normally used in high pressure heating plants because of its properties as an oxygen inhibitor. It is added to avoid scaling and corrosion in the plant itself.

Hydrazine reacts with dissolved oxygen to yield nitrogen and water, so that hydrazine has the advantage over the sulfite treatment because it does not produce any dissolved solids in the boiled water.

Hydrazine is also used in tanks, because it controls the growth of bacteria.

High concentrations of hydrazine can create a reaction with ammonia, which may result in damage to parts made of copper.

Determination of hydrazine contents in water has been made easier by HANNA instruments® with the HI 93704, a microprocessor-based meter that provides quick and accurate measurements.

Specifications

HI 93704 (Hydrazine)	
Range	0 to 400 µg/L
Resolution	1 µg/L
Accuracy (@20°C/68°F)	±3% f.s.
Light Source	LED (Light Emitting Diode) 470 nm
Light Life	Life of the instrument
Light Detector	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, D1385-88 Dimethylaminobenzaldehyde method for natural and treated water. The reaction between hydrazine and the liquid reagent causes a yellow tint in the sample

Accessories

HI 710009	Shockproof rubber boot, blue	HI 93703-50	Cuvet cleaning solution (230 mL)
HI 710010	Shockproof rubber boot, orange	HI 731321	Measuring cuvet (4 pcs)
HI 731318	Tissue for wiping cuvetts (4 pcs)	HI 731325	Cuvet cap (4 pcs)
		HI 93704-01	Reagent kit for 100 tests (N ₂ H ₄)
		HI 93704-03	Reagent kit for 300 tests (N ₂ H ₄)

Ordering Information

HI 93704 is supplied complete with 2 cuvetts, battery and instructions.

For a comprehensive list of accessories, see sections U and V