



Phosphate Meters

Phosphates are particularly important for the growth and development of plant roots, and hence are one of the most common fertilizers used in agriculture.

In addition, phosphates are usually utilized in detergents and are needed, in small quantities, for heating systems.

However, high concentrations of phosphates can cause environmental pollution: they are for example a primary cause of eutrophication.

For these reasons, it is necessary to closely monitor the phosphate levels present in both civil and industrial waste water.

In order to cater to the different needs of users in a wide array of applications, the HANNA instruments® phosphate meters have been designed to cover the following ranges:

- From 0.00 to 2.50 mg/L (HI 93713)
- From 0.0 to 30.0 mg/L (HI 93717)



HI 710009



HI 93713C is a complete kit for all your measurement needs in the field

Ordering Information

HI 93713 is supplied complete with 2 cuvettes, battery and instructions.

HI 93713C, kit includes HI 93713, rugged carrying case and reagents.

HI 93717 is supplied complete with 2 cuvettes, battery and instructions.

Specifications

	HI 93713 (Phosphate LR)	HI 93717 (Phosphate HR)
Range	0.00 to 2.50 mg/L	0.0 to 30.0 mg/L
Resolution	0.01 mg/L	0.1 mg/L
Accuracy (@20°C/68°F)	±0.04 mg/L ±4% of reading	±1 mg/L ±4% of reading
Light Source	LED (Light Emitting Diode) 890 nm	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 ascorbic acid method; The reaction between phosphate and the reagent causes a blue tint in the sample	Adaptation of the Standard Methods for the Examination of Water and Waste water, 18 th ed. The reaction between phosphate and the reagents causes a blue tint in the sample

Accessories

HI 710009	Shockproof rubber boot, blue	HI 93713-03	Reagent kit for 300 tests (PO ₄ ³⁻ LR)
HI 710010	Shockproof rubber boot, orange	HI 93717-01	Reagent kit for 100 tests (PO ₄ ³⁻ HR)
HI 731318	Tissue for wiping cuvettes (4 pcs)	HI 93717-03	Reagent kit for 300 tests (PO ₄ ³⁻ HR)
HI 93703-50	Cuvet cleaning solution (230 mL)		
HI 731321	Measuring cuvet (4 pcs)		
HI 731325	Cuvet cap (4 pcs)		
HI 93713-01	Reagent kit for 100 tests (PO ₄ ³⁻ LR)		

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