



Phosphate, HR and Phosphorus Photometers

HI 96717 • HI 96706

Water Resistant and CAL CHECK™

9

PHOTOMETERS

Quick and Affordable Phosphate and Phosphorus tests

Phosphates are widely used in agriculture as fertilizers, in detergents, and they can be used in industrial process boilers to prevent corrosion.

Phosphates are important for the life of many plants and animals, but used in large quantities, they can affect the process of eutrophication.

The HI 96717 meter measures phosphate (PO_4^{3-}) content in water samples in the 0.0 to 30.0 mg/L (ppm) range.

Phosphorus is present as phosphate in water and wastewater. Phosphates in water comes from biological and industrial drains.

The HI 96706 meter measures the phosphorus (P) content in water samples in the 0.0 to 15.0 mg/L (ppm) range.

With the powerful CAL CHECK™ validation function, you 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 these instruments and recalibrate if necessary.

The instruments are water resistant and the lamp and filter units are protected from dust or dirt by a transparent cup. This makes the instruments 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.

These meters use 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 neck making it easier to add both sample and reagents. The cuvet is made from special optical glass to obtain best results.

The reagents for both instruments are in powder and liquid form and are supplied in packets and bottles. The amount of reagent is precisely dosed to ensure the maximum repeatability.



SPECIFICATIONS	HI 96717	HI 96706
Range	0.0 to 30.0 mg/L	0.0 to 15.0 mg/L
Resolution	0.1 mg/L	
Precision	±0.5 mg/L @ 12.0 mg/L	±0.2 mg/L to 6.0 mg/L
Light Source	Tungsten lamp	
Light Detector	Silicon Photocell with narrow band interference filter @ 525 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 measurement mode; after 1 hour of non-use in calibration mode; with last reading reminder.	After 10 minutes of non-use in measuring mode; after 1 hour of non-use in calibration mode
Dimensions	192 x 102 x 67 mm (7.6 x 4 x 2.6")	
Weight	290 g (10 oz)	
Method	Amino Acid Method, adapted from Standard Method for the Examination of Water and Wastewater.	



Available as a KIT
Just choose the "C" version
HI 96715C kit version shown.

ORDERING INFORMATION

HI 96717 is supplied with (2) sample cuvettes with caps, 9V battery and instruction manual.

HI 96717C is supplied with CAL CHECK™ standard cuvettes, (2) sample cuvettes with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

HI 96706 is supplied with (2) sample cuvettes with caps, 9V battery and instruction manual.

HI 96706C is supplied with CAL CHECK™ standard cuvettes, (2) sample cuvettes with caps, 9V battery, cuvet cleaning cloth, scissors and instruction manual in a hard carrying case.

REAGENTS AND STANDARDS

HI 95717-11 CAL CHECK™ Standard Cuvets (1 set)

HI 93717-01 Reagents for 100 tests

HI 93717-03 Reagents for 300 tests

HI 95706-11 CAL CHECK™ Standard Cuvets (1 set)

HI 93706-01 Reagents for 100 tests

HI 93706-03 Reagents for 300 tests

SOLUTIONS

HI 93703-50 Cuvet cleaning solution, 250 mL

ACCESSORIES

HI 721310 9V batteries (10)

HI 731318 Cuvet cleaning cloth (4)

HI 731331 Measuring cuvettes (4)

HI 731335 Cuvet caps (4)