



## HI96706

# Phosphorus Portable Photometer

- **CAL Check™**
  - Enables users to check validity of calibration
- **BEPS**
  - Alerts the user of low battery power that could adversely affect reading
- **GLP Features**
  - Meets Good Laboratory Practices

Phosphorus in water is monitored because it causes corrosion when present at high levels. It is also an essential parameter for the growth of microorganisms and algae, which are often unwanted in tanks and reserves of water.

Phosphorus is also an essential element for plant growth, and for this reason, is needed in large amounts.

The HI96706 measures the phosphorus (P) content in water samples in the 0.0 to 15.0 mg/L (ppm) range.

The HI96706 uses an exclusive positive-locking system to ensure that the cuvette is in the same place every time it is placed into the measurement cell.

Specifications	HI96706 Phosphorus
Range	0.0 to 15.0 mg/L (ppm)
Resolution	0.1 mg/L
Accuracy @ 25°C (77°F)	± 0.3 mg/L ±4% of reading
Light Source	tungsten lamp
Light Detector	silicon photocell with narrow band interference filter @ 525 nm
Power Supply	9V battery
Auto-off	after ten minutes of non-use in measurement mode; after one hour of non-use in calibration mode; with last reading reminder
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Dimensions	193 x 104 x 69 mm (7.6 x 4.1 x 2.7")
Weight	360 g (12.7 oz.)
Method	Amino Acid Method, adapted from Standard Method for the Examination of Water and Wastewater
Ordering Information	<p><b>HI96706</b> is supplied with sample cuvettes (2) with caps, 9V battery, instrument quality certificate and instruction manual            CAL Check™ standards and testing reagents sold separately</p> <p><b>HI96706C</b> includes photometer, CAL Check™ standards, sample cuvettes (2) with caps, 9V battery, scissors, cuvette wiping cloth, instrument quality certificate, instruction manual and rigid carrying case.            Reagents sold separately</p>
Reagents and Standards	<p><b>HI96706-11</b> CAL Check™ standard cuvettes</p> <p><b>HI93706-01</b> reagents for 100 tests</p> <p><b>HI93706-03</b> reagents for 300 tests</p>

Standard reagents begin on page 10.70; CAL Check™ standard reagents begin on page 10.71